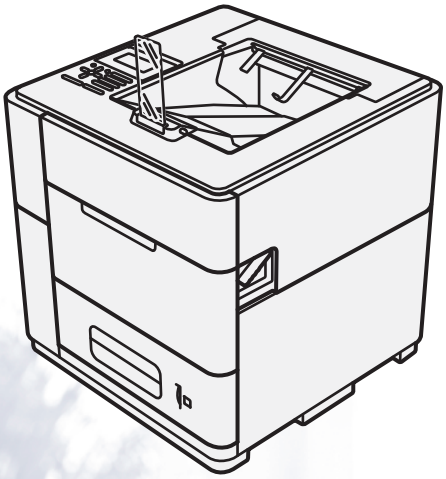
User’s Guide

Brother Inkjet Printer

HL-S7000DN



For visually-impaired users

You can read this manual with Screen Reader ‘text-to-speech’ software.

You must set up the hardware and install the driver before you can use the machine.

Please use the Quick Setup Guide to set up the machine. You can find a printed copy in the box.

Please read this User’s Guide thoroughly before you use the machine.

The contents of this manual and the specifications of this product are subject to change without notice.

Please visit us at http://solutions.brother.com/ where you can get product support, the latest driver updates and utilities, and answers to frequently asked questions (FAQs) and technical questions.

Version 0

USA/CAN

User’s Guides and where do I find them?

Which Guide?	What’s in it?	Where is it?
Product Safety Guide	Read this Guide first. Please read the Safety Instructions before you set up your machine. See this Guide for trademarks and legal limitations.	Printed / In the box
Quick Setup Guide	Follow the instructions for setting up your machine and installing the drivers and software for the operating system and connection type you are using.	Printed / In the box
User’s Guide	Learn the print operations, how to replace consumables, and performing routine maintenance. See troubleshooting tips.	PDF file / CD-ROM / In the box
Network User’s Guide	This Guide provides useful information about wired and wireless network settings and security settings using the Brother machine. You can also find supported protocol information for your machine and detailed troubleshooting tips.	PDF file / CD-ROM / In the box
Mobile Print/Scan Guide for Brother iPrint&Scan	This Guide provides useful information about printing JPEG and PDF [1] files from your mobile device when connected on a Wi-Fi network.	PDF file / Brother Solutions Center at http://solutions.brother.com/
IPsec Setting Guide	This Guide provides detailed information about an optional IP protocol security feature that provides authentication and encryption services.	PDF file / Brother Solutions Center at http://solutions.brother.com/
Card Reader Operation Guide	This Guide provides useful information about the card authentication feature that enables secured access to the Storage Print feature.	PDF file / Brother Solutions Center at http://solutions.brother.com/

[1] PDF printing is not supported on Windows® Phone.

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Using the documentation

Thank you for buying a Brother machine! Reading the documentation will help you make the most of your machine.

Symbols and conventions used in the documentation

The following symbols and conventions are used throughout the documentation.

WARNING	WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injuries.
CAUTION	CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injuries.
Important	Important indicates a potentially hazardous situation which, if not avoided, may result in damage to property or loss of product functionality.
	Prohibition icons indicate actions that must not be performed.
	This icon indicates that flammable sprays may not be used.
	This icon indicates that organic solvents such as alcohol and liquids may not be used.
	Fire hazard icons alert you to the possibility of fire.
Note	Notes tell you how you should respond to a situation that may arise or give tips about how the operation works with other features.

Bold	Bold style identifies keys on the machines control panel or computer screen.
Italics	Italicized style emphasizes an important point or refers you to a related topic.
`Courier New`	Courier New font identifies the messages shown on the LCD of the machine.

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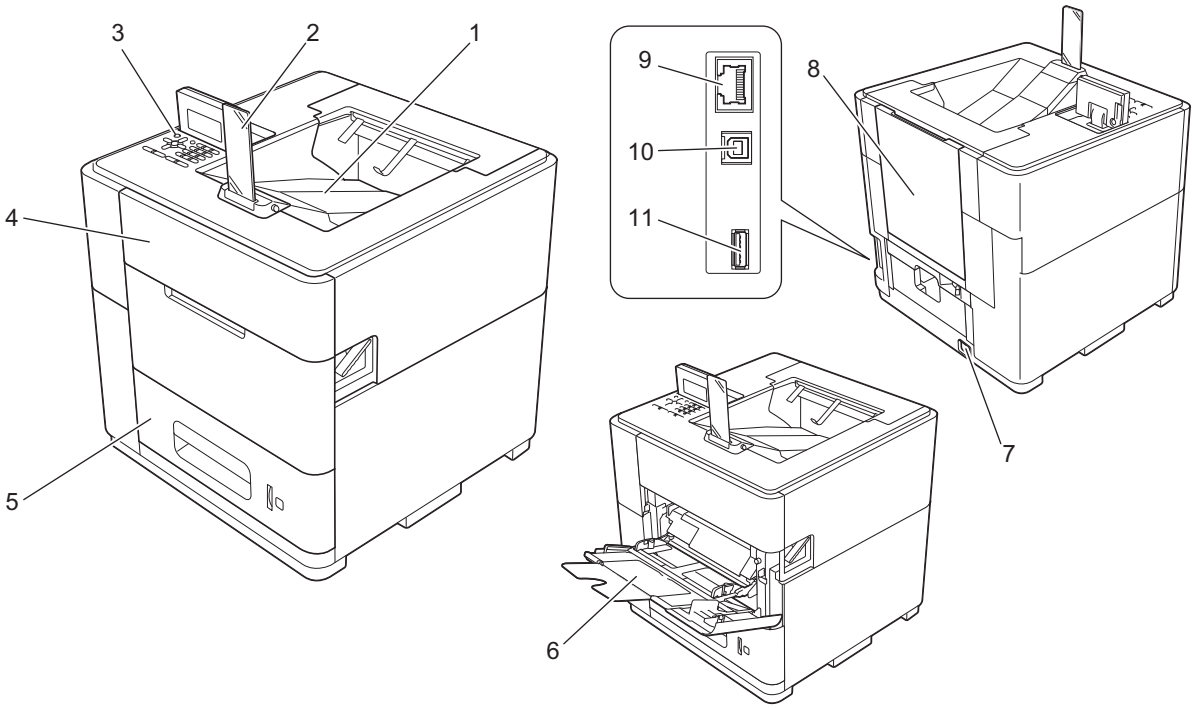
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1 Printing Methods

About this Machine

Front view and Back view



1 Face-down output tray
2 Output paper stopper
3 Control panel with a Liquid Crystal Display (LCD)
4 Ink cartridge cover
5 Paper tray
6 Multi-purpose tray (MP tray)
7 AC power connector
8 Back cover (Face-up output tray when open)
9 10BASE-T / 100BASE-TX / 1000BASE-T port
10 USB port for connecting the machine to your computer
11 USB port for connecting the optional card reader to the machine [1]

[1] A sticker is affixed at the factory to cover this port before shipment. Peel off the sticker before using this port.

Acceptable paper and other print media

Print quality may vary according to the type of paper you are using.

You can use the following types of print media: plain paper, thin paper, thick paper, bond paper or recycled paper.

For best results, follow the instructions below:

- DO NOT put different types of paper in the paper tray at the same time because it may cause paper jams or misfeeds.
- For proper printing, you must choose the same paper size from your software application as the paper in the tray.
- Avoid touching the printed surface of the paper immediately after printing.
- Before you buy a lot of paper, test a small quantity to make sure that the paper is suitable.

Recommended paper and print media

Paper Type	Item
Plain paper	Xerox 4200 20 lb
Recycled paper	(No specific brand recommended)

For the latest information on paper, please see Frequently Asked Questions (FAQs) for your model on the Brother Solutions Center (http://solutions.brother.com/).

Type and size of paper

The machine feeds paper from the installed standard paper tray, multi-purpose tray or optional lower trays. The names for the paper trays in the printer driver and this Guide are as follows:

Tray and optional unit	Name
Standard paper tray	Tray 1
Optional lower tray units	Tray 2 / Tray 3 / Tray 4
Multi-purpose tray	MP Tray

Paper capacity of the paper trays

	Paper size	Paper types	No. of sheets
Paper Tray (Tray 1)	Letter, A4, Legal, B5 (JIS), Executive, A5, A5 (Long Edge), Folio [1]	Plain paper, Thin paper and Recycled paper	up to 500 sheets 20 lb (80 g/m^2)
Multi-purpose Tray (MP Tray)	Width: 3.0 to 8.5 in. (76.2 to 216 mm) Length: 5.0 to 14 in. (127 to 355.6 mm)	Plain paper, Thin paper, Thick paper, Bond paper and Recycled paper	100 sheets 20 lb (80 g/m^2)
Optional Lower Trays (Tray 2 / Tray 3 / Tray 4)	Letter, A4, Legal, B5 (JIS), Executive, A5, Folio [1]	Plain paper, Thin paper and Recycled paper	up to 500 sheets each 20 lb (80 g/m^2)

[1] Folio size is 8.5 in. × 13 in. (215.9 mm × 330.2 mm)

Recommended paper specifications

The following paper specifications are suitable for this machine.

Basis weight	20-24 lb (75-90 g/m^2)
Thickness	80-110 μm
Roughness	Higher than 20 sec.
Stiffness	90-150 cm^3/100
Grain direction	Long grain
Brightness	Higher than 80%
Opacity	Higher than 85%

- Use paper that is made for plain-paper copying.
- Use paper that is 20 to 24 lb (75 to 90 g/m^2).
- Use long grain paper with a moisture content of approx. 5%.

(To help you choose which paper to use with this machine, see *Important information for choosing your paper* ➤➤ page 149.)

Handling and using special paper

The machine is designed to work well with xerographic and bond paper. However, some paper variables may have an effect on print quality or handling reliability. Always test samples of paper before purchasing to ensure desirable performance. Store paper in its original packaging and keep it sealed. Keep the paper flat and away from moisture, direct sunlight and heat.

Some important guidelines when selecting paper are:

■ If you use bond paper, paper with a rough surface or paper that is wrinkled or creased, the paper may exhibit degraded performance.

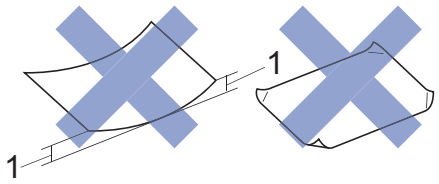
Types of paper to avoid

Important

Some types of paper may not perform well or may cause damage to your machine.

DO NOT use paper:

- that is highly textured
- that is extremely smooth or shiny
- that is curled or warped



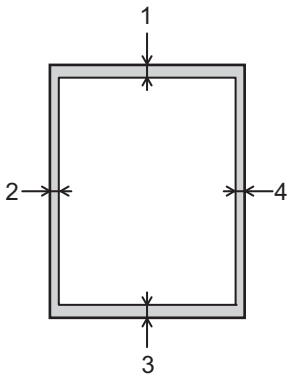
1 A curl of 0.08 in. (2 mm) or greater may cause jams to occur.

- that is coated or has a chemical finish. When using coated paper, such as glossy paper, the paper may become dirty because the ink does not dry.
- that is damaged, creased or folded
- that exceeds the recommended weight specification in this guide
- with tabs and staples
- that is multipart or carbonless

If you use any of the types of paper listed above, they may damage your machine. This damage is not covered under any Brother warranty or service agreement.

Unprintable area when printing from a computer

The figures below show maximum unprintable areas. The unprintable areas may vary depending on the settings in the application you are using.



Usage	**Document Size**	**Top (1)** **Left (2)** **Bottom (3)** **Right (4)**
Print	Letter / A4 / Legal	0.16 in. (4.23 mm)

Loading paper

Loading paper and print media

The machine can feed paper from the standard paper tray, optional lower trays or multi-purpose tray.

When you put paper into the paper tray, note the following:

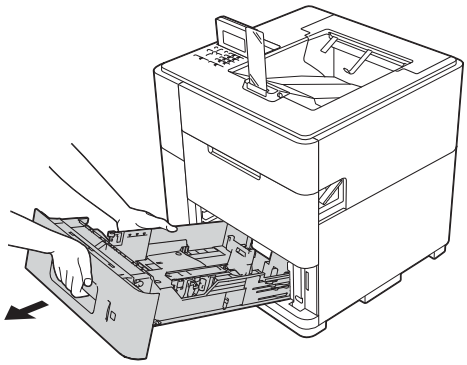
- If your application software supports paper size selection on the print menu, you can select it through the software. If your application software does not support paper size selection, you can set the paper size in the printer driver or by using the control panel keys.

Loading paper in the standard paper tray and the optional lower trays

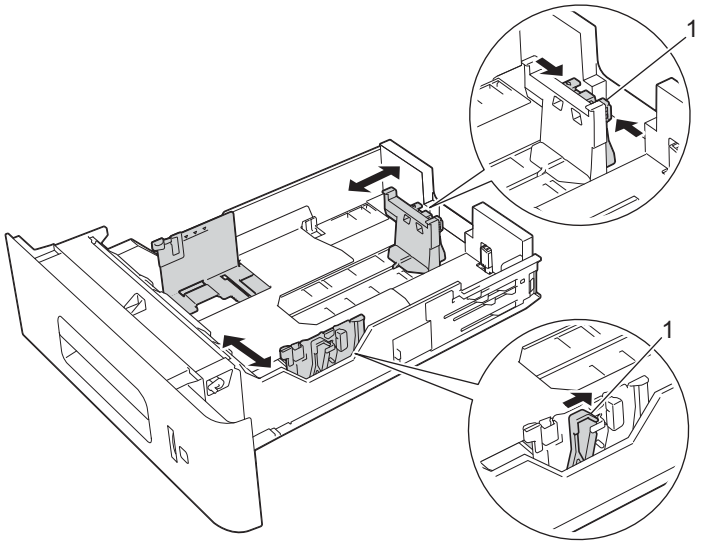
You can load up to 500 sheets of paper in the standard paper tray (Tray 1) and in each of the optional lower trays (Tray 2 / Tray 3 / Tray 4). Paper can be loaded up to the maximum paper mark (▼▼▼) located on the left-hand side of the paper tray. (For the recommended paper to use, see *Acceptable paper and other print media* ➤➤ page 2.)

Printing on plain paper, thin paper or recycled paper from Tray 1, Tray 2, Tray 3 and Tray 4

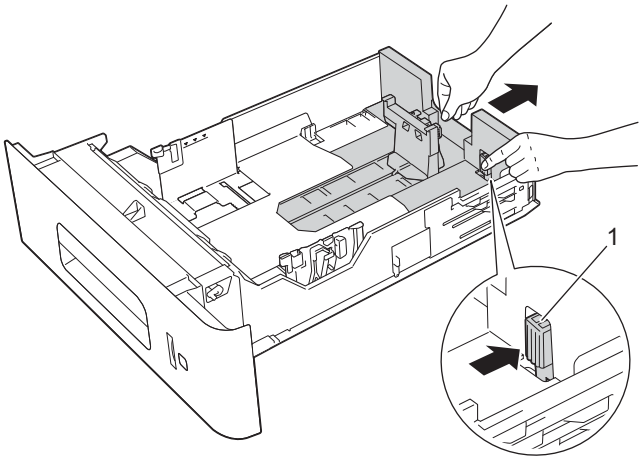
1. Slowly pull the paper tray out until it stops. Then slightly lift the front of the tray and pull the tray out of the machine.



2 While pressing the green paper-guide release lever (1), slide the paper guides to fit the paper size you are loading in the tray. Make sure that the guides are firmly in the slots.

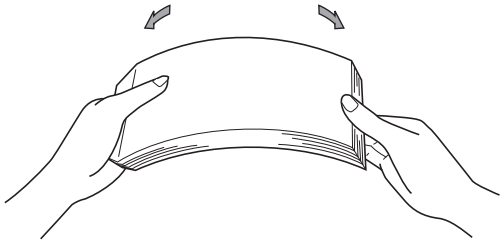


Note



For Legal or Folio size paper, press the release button (1) and then pull out the back of the paper tray. (Legal and Folio size paper are not available in some regions.)

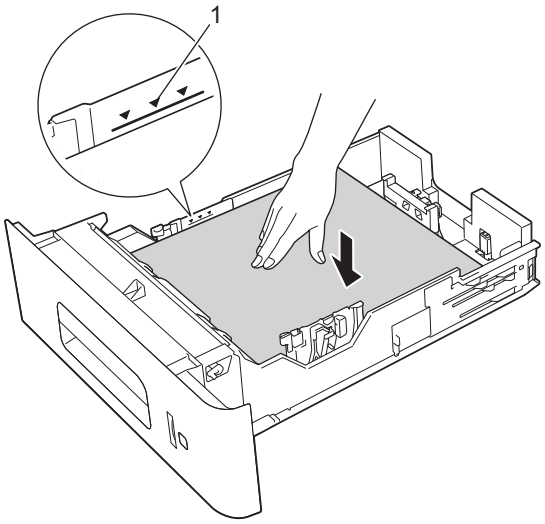
3 Fan the stack of paper well to avoid paper jams and misfeeds.



4 Put paper in the tray and make sure:

- The paper is below the maximum paper mark (▼▼▼) (1).

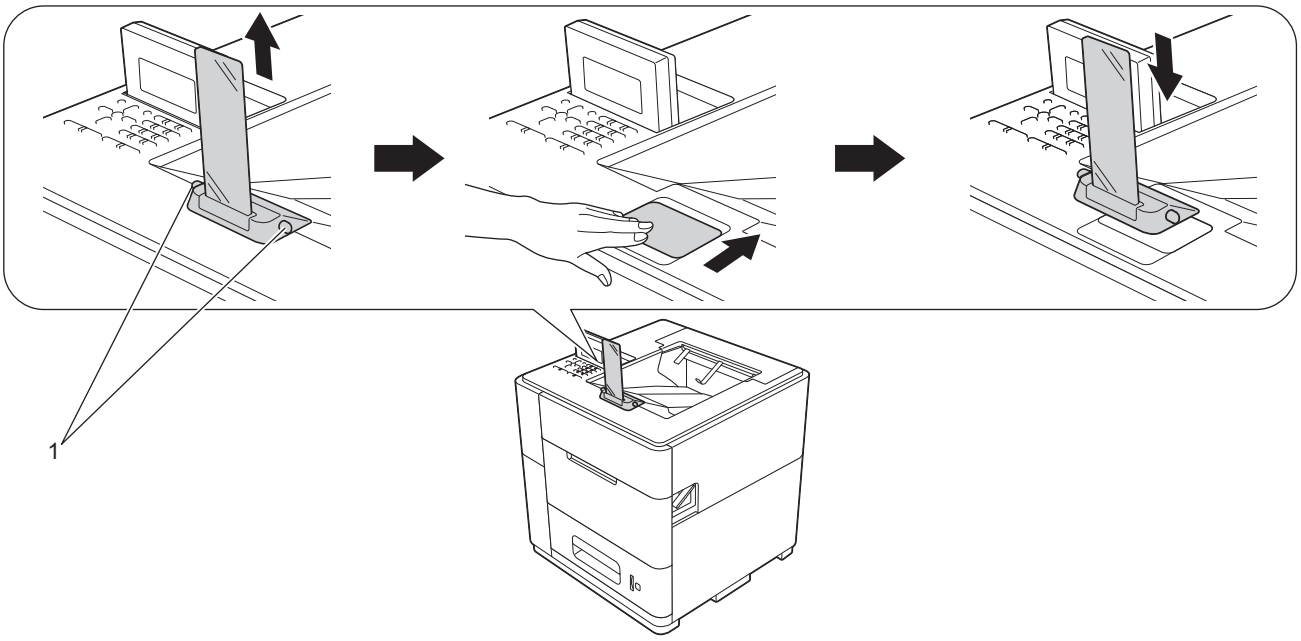
 Over filling the paper tray will cause paper jams.
- The side to be printed on must be face down.
- The paper guide with the maximum paper mark (▼▼▼) (1) touches the side of the paper so it will feed properly.



5 Put the paper tray firmly back in the machine. Make sure that it is completely inserted into the machine.

Note

For Legal or Folio size paper, you need to change the position of the output stopper. To move the stopper to the Legal position press the release buttons (1) on the base of the stopper and remove it. Then slide the cover towards the back of the machine as shown. Put the output stopper back on the machine in the area exposed by moving the cover.



6 Choose the following settings from each drop-down list of the printer driver.

■ **Paper Size**

A4	**Letter**	**Legal**	**Executive**
A5	**B5** (JIS)	**Folio**	**A5 Long Edge** (Tray 1 only)

For the acceptable paper sizes, see *Type and size of paper* ➤➤ page 3.

■ **Media Type**

Plain Paper	**Thin Paper**	**Recycled Paper**

■ **Paper Source**

Tray1	**Tray2** (if available)	**Tray3** (if available)	**Tray4** (if available)
Tray ID 1	**Tray ID 2**	**Tray ID 3**	**Tray ID 4**

For other settings, see *Driver and Software* in Chapter 2.

Note

The name of options in the drop-down lists may vary depending on your operating system and its version.

7 Send the print data to the machine.

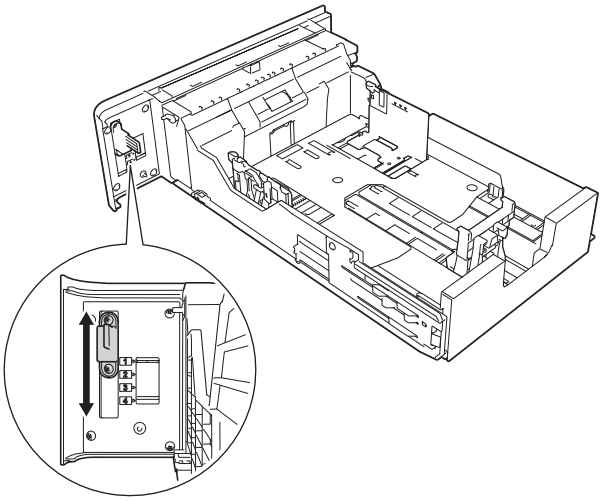
Note

- Do not place your hands in the paper exit area.
- Do not place anything in the printed pages exit path.
- Wait until all the printed pages have exited the machine before picking them up.

Tray ID setting (if the lower trays are installed)

When print data is sent to the machine, the tray ID can be selected using **Paper Source** in the printer driver. When the tray ID is set on the machine, the machine is able to find the tray using the tray ID and print from the tray even if the tray is moved to another tray position.

To set the tray ID, move the tab up or down to the desired tray ID position as shown in the illustration.



For details about selecting tray ID in the printer driver, see *Paper Source* ➤➤ page 32 (for Windows® printer driver), *Printing Preferences* ➤➤ page 46 (for Windows® BR-Script3 printer driver), and *Print Settings* ➤➤ page 62 (for Macintosh printer drivers).

Separator tray setting (if the lower trays are installed)

If you select a paper tray using the `Separator Tray` option, you can insert a sheet of paper from the specified tray between each print job. For example, if you select a tray that is loaded with colored paper, you can easily find the beginning and end of each print job. (See *Paper Tray* ➤➤ page 79.)

Tray exclusion setting (if the lower trays are installed)

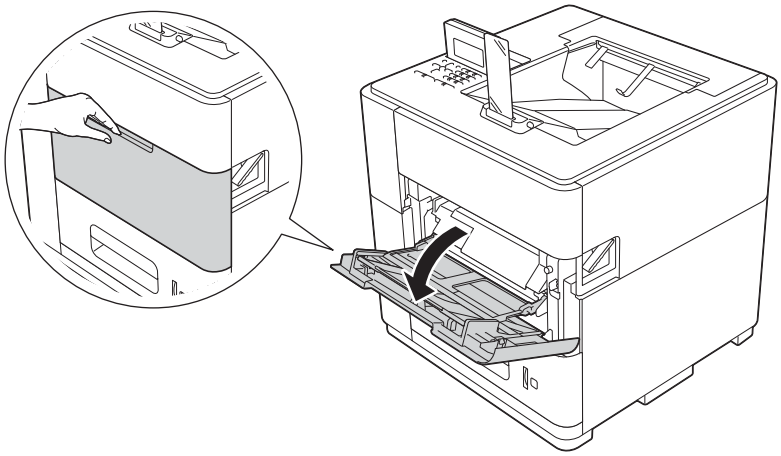
If you set the `Tray Use` option to `Auto`, paper trays will be used in the order specified using the `Priority` option and you can set the machine to not use paper in the bottom-most tray. For example, if Tray 2 is installed and you have special paper loaded in Tray 2, you might set `Priority` to `MP>T1` or `T1>MP`, so that the paper in Tray 2 will not be used. (See *Paper Tray* ➤➤ page 79.)

Loading paper in the multi-purpose tray (MP tray)

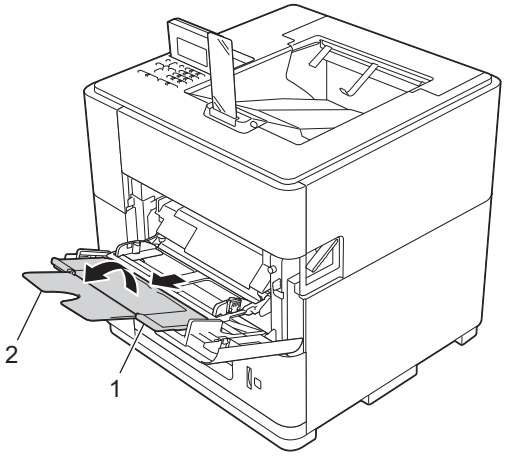
You can load up to 100 sheets of plain paper in the MP tray. Use this tray to print on thick paper or bond paper. (For the recommended paper to use, see *Acceptable paper and other print media* ➤➤ page 2.)

Printing on plain paper, thin paper and recycled paper from the MP tray

1. Open the MP tray and lower it gently.

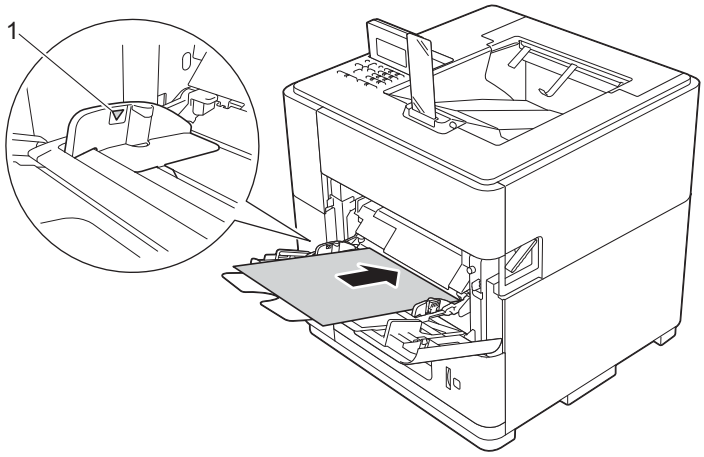


2. Pull out the MP tray support (1) and unfold the flap (2).

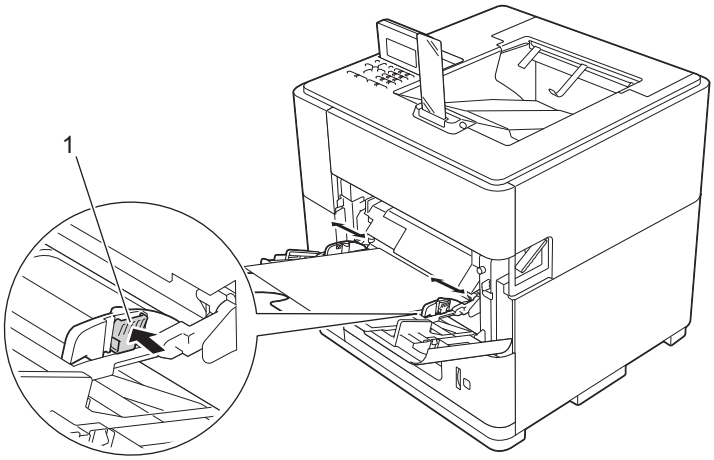


3 Put paper in the MP tray and make sure:

- The paper stays under the maximum paper mark (1).
- The side to be printed on must be face up with the leading edge (top of the paper) in first.

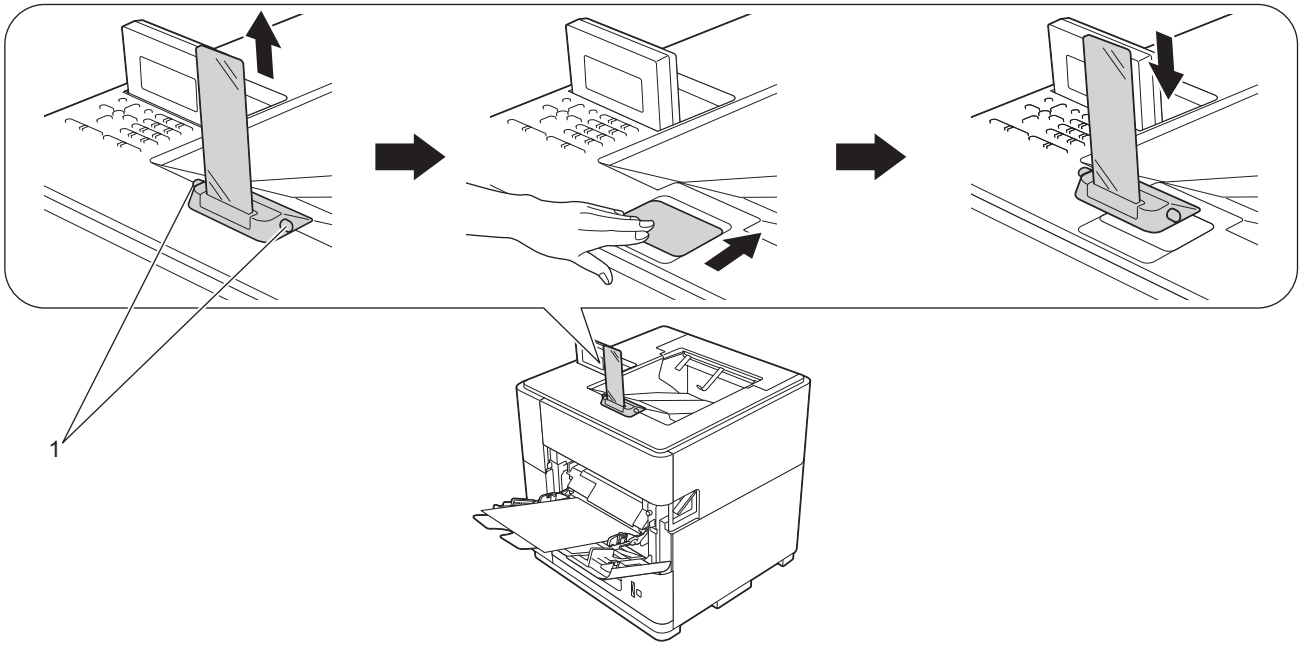


4 While pressing the gray paper-guide release lever (1), slide the paper guide to fit the paper size.



Note

For Legal or Folio size paper, you need to change the position of the output stopper. To move the stopper to the Legal position press the release buttons (1) on the base of the stopper and remove it. Then slide the cover towards the back of the machine as shown. Put the output stopper back on the machine in the area exposed by moving the cover.



5 Choose the following settings from each drop-down list of the printer driver.

■ **Paper Size**

A4	**Letter**	**Legal**	**Executive**	**A5**
A5 Long Edge	**A6**	**B5**	**3 x 5**	
Folio	Customized paper size [1]			

[1] You can define your original paper size by choosing **User Defined** in the Windows® printer driver, **PostScript Custom Page Size** in the BR-Script3 printer driver for Windows®, or **Manage Custom Sizes** in the Macintosh printer drivers.

For the acceptable paper sizes, see *Type and size of paper* ➤➤ page 3.

■ **Media Type**

Plain Paper	**Thin Paper**	**Recycled Paper**

■ **Paper Source**

MP Tray

For other settings, see *Driver and Software* in Chapter 2.

Note

The name of options in the drop-down lists may vary depending on your operating system and its version.

6 Send the print data to the machine.

Note

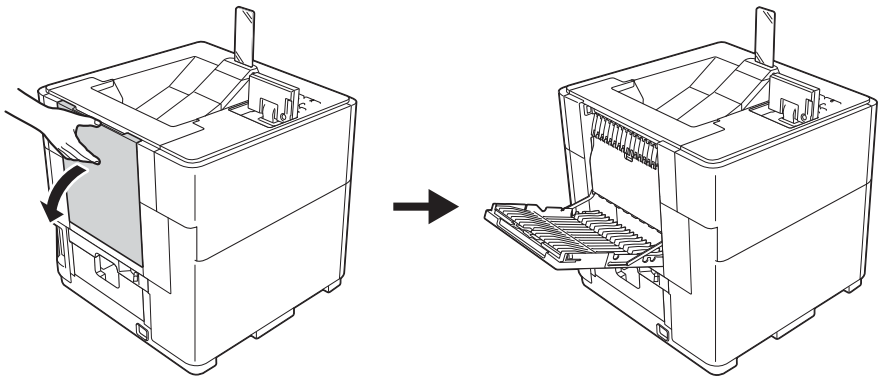
- Do not place your hands in the paper exit area.
- Do not place anything in the printed pages exit path.
- Wait until all the printed pages have exited the machine before picking them up.

Printing on thick paper or bond paper from the MP tray

Important

When you want to print on thick paper or bond paper, open the back cover (face-up output tray) to avoid curls and wrinkles, which can cause the print head to wear.

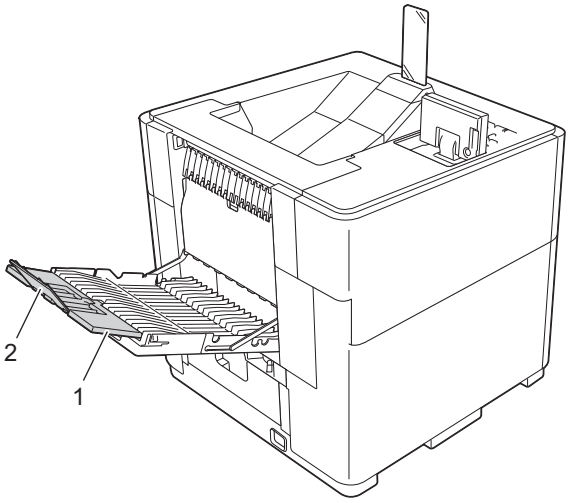
1 Open the back cover (face-up output tray).



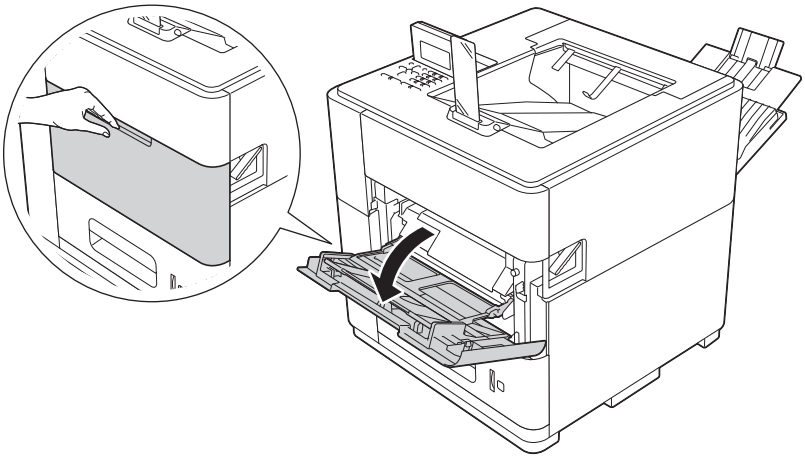
CAUTION

When the back cover is open, do not push it down forcefully. The machine may tip over and cause injury to you.

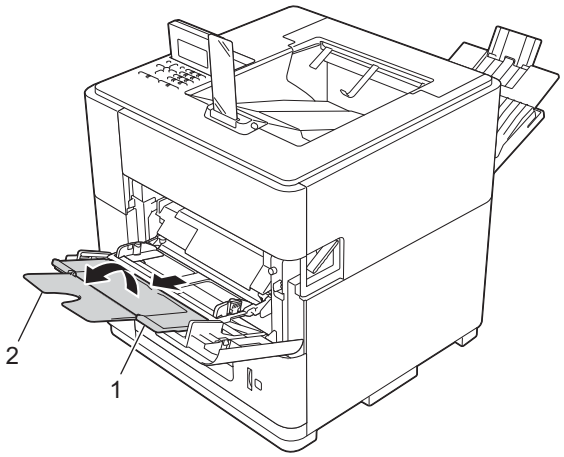
2 Pull out the face-up output tray support (1) and unfold the flap (2).



3 Open the MP tray and lower it gently.

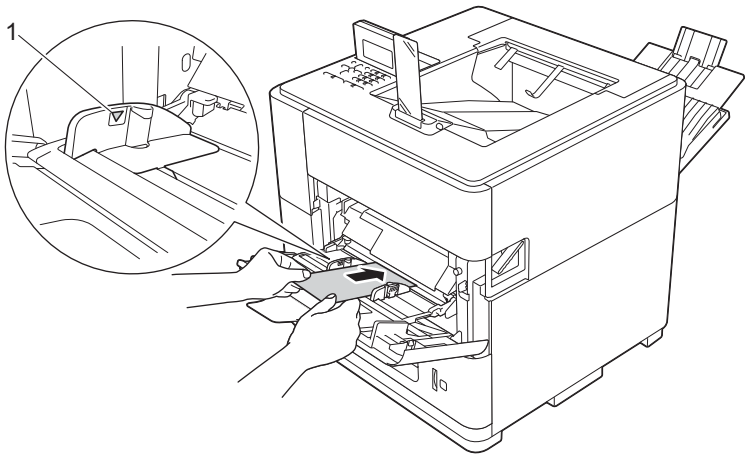


4 Pull out the MP tray support (1) and unfold the flap (2).

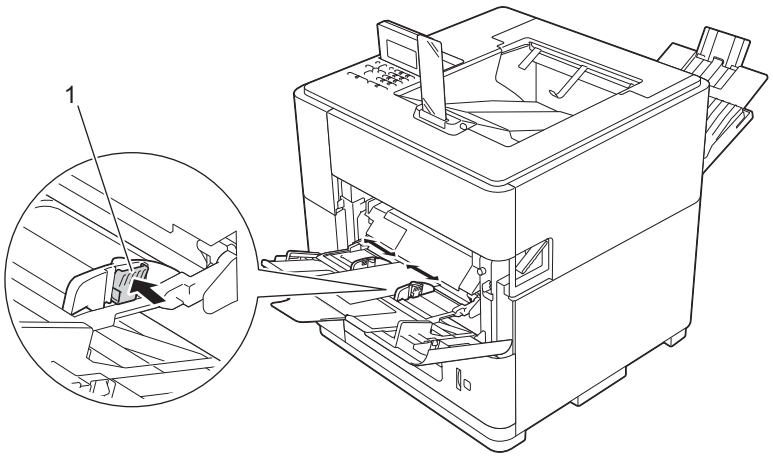


5 Put paper in the MP tray. Make sure:

- The paper stays under the maximum paper mark (1).
- The side to be printed on must be face up.



6 While pressing the gray paper-guide release lever (1), slide the paper guide to fit the paper size.



7 Choose the following settings from each drop-down list of the printer driver.

■ **Paper Size**

<For printing thick paper or bond paper>

A4	**Letter**	**Legal**	**Executive**	**A5**
A5 Long Edge	**A6**	**B5**	**3 x 5**	
Folio	Customized paper size [1]			

[1] You can define your original paper size by choosing **User Defined** in the Windows® printer driver, **PostScript Custom Page Size** in the BR-Script3 printer driver for Windows®, or **Manage Custom Sizes** in the Macintosh printer drivers.

For the acceptable paper sizes, see *Type and size of paper* ➤➤ page 3.

■ **Media Type**

<For printing thick paper>

Thick Paper

<For printing bond paper>

Bond Paper

■ **Paper Source**

MP Tray

For other settings, see *Driver and Software* in Chapter 2.

Note

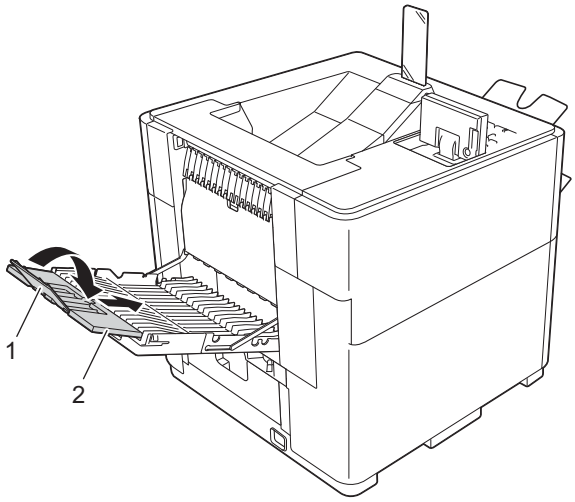
The name of options in the drop-down lists may vary depending on your operating system and its version.

8 Send the print data to the machine.

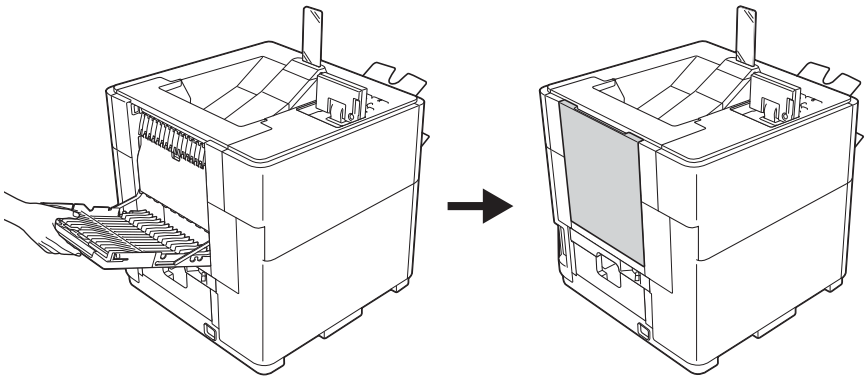
Note

- Do not place your hands in the paper exit area.
- Do not place anything in the printed pages exit path.
- Wait until all the printed pages have exited the machine before picking them up.
- If your thick paper curls during printing, put only one sheet at a time in the MP tray.

9 Close the face-up output tray flap (1), and then close the paper support (2).



10 Close the back cover (face-up output tray).



Duplex printing

The supplied printer drivers all enable duplex printing. For more information about how to choose the settings, see the **Help** text in the printer driver.

Guidelines for printing on both sides of the paper

- If the paper is thin, it may wrinkle.
- If paper is curled, straighten it and put it back in the paper tray. If the paper continues to curl, replace the paper.
- If the paper is not feeding correctly, it may be curled. Remove the paper and straighten it. If the paper continues to curl, replace the paper.

Note

Make sure that the paper tray is completely inserted in the machine.

Automatic duplex printing

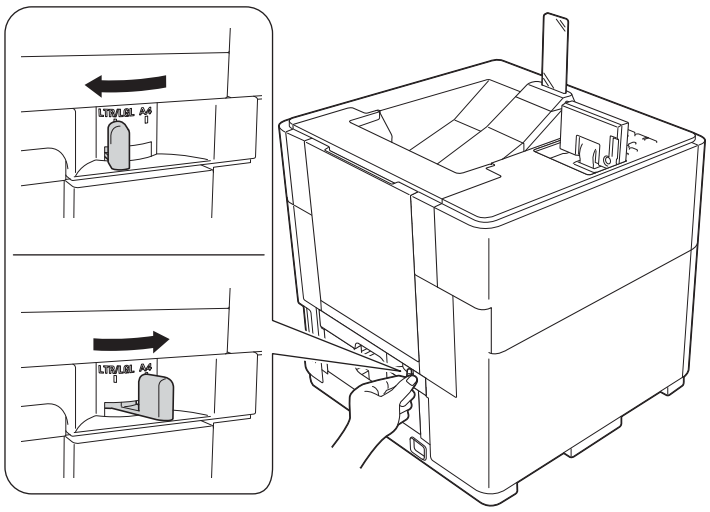
If you are using the Macintosh Printer Driver, see *Duplex Printing* ➤➤ page 64.

Automatic duplex printing with the Windows® printer driver

1. Set the duplex paper adjustment lever at the back of the printer to LTR/LGL or A4.
 When using Folio size paper, set the lever to LTR/LGL.

Letter, Legal or Folio size

A4 size



Note

If you try to print when the paper adjustment lever for duplex printing is not correctly set for the paper size being used, the LCD will show `DX Lever Error` and the machine will stop printing. If this happens, move the lever to the correct paper size position.

2 Choose the following settings from each menu of the printer driver.

■ **Paper Size**

A4 **Letter** **Legal** **Folio**

■ **Media Type**

Plain Paper **Recycled Paper** **Thin Paper**

■ **Paper Source**

Tray1	**MP Tray**	**Tray2** (if available)	**Tray3** (if available)	**Tray4** (if available)
Tray ID 1	**Tray ID 2**	**Tray ID 3**	**Tray ID 4**	

■ **Duplex / Booklet**

Duplex

■ **Duplex Type** in **Duplex Settings**

There are four options for each orientation. (See *Duplex / Booklet* ➤➤ page 31.)

■ **Binding Offset** in **Duplex Settings**

You can specify the offset for binding. (See *Duplex / Booklet* ➤➤ page 31.)

Note

- You should use plain paper, recycled paper or thin paper. Do not use bond paper.
- The name of options in the drop-down lists may vary depending on your operating system and its version.

For other settings, see *Driver and Software* in Chapter 2.

3 Send the print data to the machine. The machine will print on both sides of the paper automatically.

Note

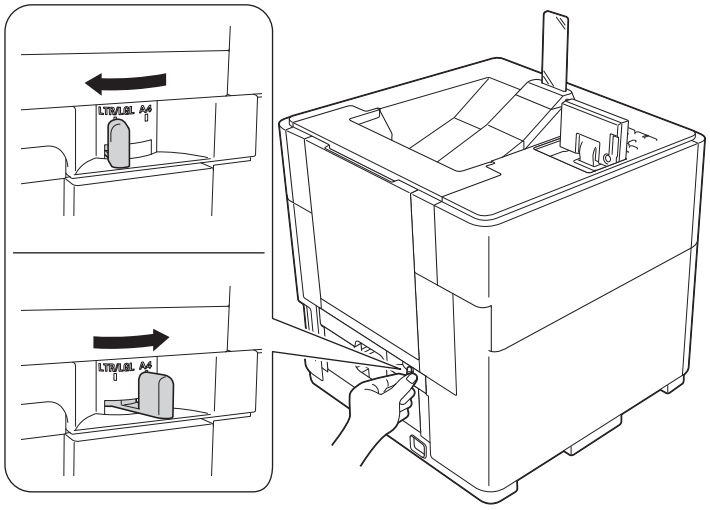
- Do not place your hands in the paper exit area.
- Do not place anything in the printed pages exit path.
- Wait until all the printed pages have exited the machine before picking them up.

Automatic duplex printing with the BR-Script3 printer driver for Windows®

1. Set the duplex paper adjustment lever at the back of the printer to LTR/LGL or A4. When using Folio size paper, set the lever to LTR/LGL.

Letter, Legal or Folio size

A4 size



Note

If you try to print when the paper adjustment lever for duplex printing is not correctly set for the paper size being used, the LCD will show `DX Lever Error` and the machine will stop printing. If this happens, move the lever to the correct paper size position.

2. Choose the following settings from each menu of the printer driver.

■ **Paper Size**

A4 **Letter** **Legal** **Folio**

■ **Media Type**

Plain Paper **Recycled Paper** **Thin Paper**

■ **Paper Source**

Tray1	**MP Tray**	**Tray2** (if available)	**Tray3** (if available)	**Tray4** (if available)
Tray ID 1	**Tray ID 2**	**Tray ID 3**	**Tray ID 4**	

■ **Print on Both Sides**

Flip on Short Edge **Flip on Long Edge**

■ **Page Order**

Front to Back **Back to Front**

Note

- You should use plain paper, recycled paper or thin paper. Do not use bond paper.
- The name of options in the drop-down lists may vary depending on your operating system and its version.

For other settings, see *Driver and Software* in Chapter 2.

3 Send the print data to the machine. The machine will print on both sides of the paper automatically.

Note

- Do not place your hands in the paper exit area.
- Do not place anything in the printed pages exit path.
- Wait until all the printed pages have exited the machine before picking them up.

2 Driver and Software

Printer driver

A printer driver is software that translates data from the format used by a computer to the format that a particular printer needs. Typically, this format is page description language (PDL).

The printer drivers for the supported versions of Windows® and Macintosh are on the CD-ROM we have supplied. Install the drivers by following the steps in the Quick Setup Guide. The latest printer drivers can be downloaded from the Brother Solutions Center Web site at:

http://solutions.brother.com/

For Windows®

- Windows® printer driver (the most suitable printer driver for this product)
- BR-Script3 printer driver (PostScript® 3™ language emulation) [1]

[1] Install the driver using the Custom Install from the CD-ROM.

For Macintosh

- Macintosh printer driver (the most suitable printer driver for this product)
- BR-Script3 printer driver (PostScript® 3™ language emulation) [1]

[1] For the installation instruction of the driver, visit us at http://solutions.brother.com/.

For Linux® [1] [2]

- LPR printer driver
- CUPS printer driver

[1] For more information and to download the printer driver for Linux please visit your model page at http://solutions.brother.com/ or use the link on the CD-ROM we have supplied.

[2] Depending on Linux distributions, the driver may not be available or it may be released after the initial release of your model.

Printing a document

When the machine receives data from your computer, it begins printing by picking up paper from the paper tray. The paper tray can feed many types of paper. (See *Paper capacity of the paper trays* ➤➤ page 3.)

1. From your application, choose the Print command.
 If any other printer drivers are installed on your computer, choose **Brother HL-S7000DN series** as your printer driver from the Print or Print Settings menu in your software application, and then click **OK** or **Print** to begin printing.
2. Your computer sends the data to the machine. The **Data** LED will blink and the LCD will show `Printing`. The output paper stopper will also blink if it is in the default Letter/A4 position.
3. When the machine finishes printing all the data, the **Data** LED and output paper stopper will stop blinking.

Note

- You can choose the paper size and orientation in your application software.
- If your application software does not support your custom paper size, choose the next largest paper size. Then adjust the print area by changing the right and left margins in your application software.

Printer driver settings

You can change the following printer settings when you print from your computer:

- Paper Size
- Orientation
- Copies
- Media Type
- Slow Drying Paper [1]
- Multiple Page
- Duplex / Booklet [3]
- Paper Source
- Output Tray
- Scaling
- Reverse Print [2]
- Use Watermark [2 3]
- Header-Footer Print [2 3]
- Ink Save Mode
- Administrator [2 3]
- User Authentication [2 3]
- Sleep Time
- Macro [2 3]
- Density Adjustment
- TrueType Mode [3]
- Storage Print
- Print Profile [2 3]

[1] These settings are not available with the BR-Script3 printer driver for Macintosh.

[2] These settings are not available with the BR-Script3 printer driver for Windows®.

[3] These settings are not available with the Macintosh printer driver and the BR-Script3 printer driver for Macintosh.

Windows®

Accessing the printer driver settings

1. (For Windows® XP and Windows Server®)
 Click **Start**, and then **Printers and Faxes**.
 (For Windows Vista®)
 Click the  button, **Control Panel**, **Hardware and Sound**, and then **Printers**.
 (For Windows® 7)
 Click the  button and **Devices and Printers**.
2. Right-click the **Brother HL-S7000DN series** icon and select **Properties** (**Printer properties**, and **Brother HL-S7000DN series** if necessary). The printer properties dialog box appears.
3. Choose the **General** tab and then click **Printing Preferences** (**Preferences**). To configure the tray settings, choose the **Accessories** tab.

Features in the Windows® printer driver

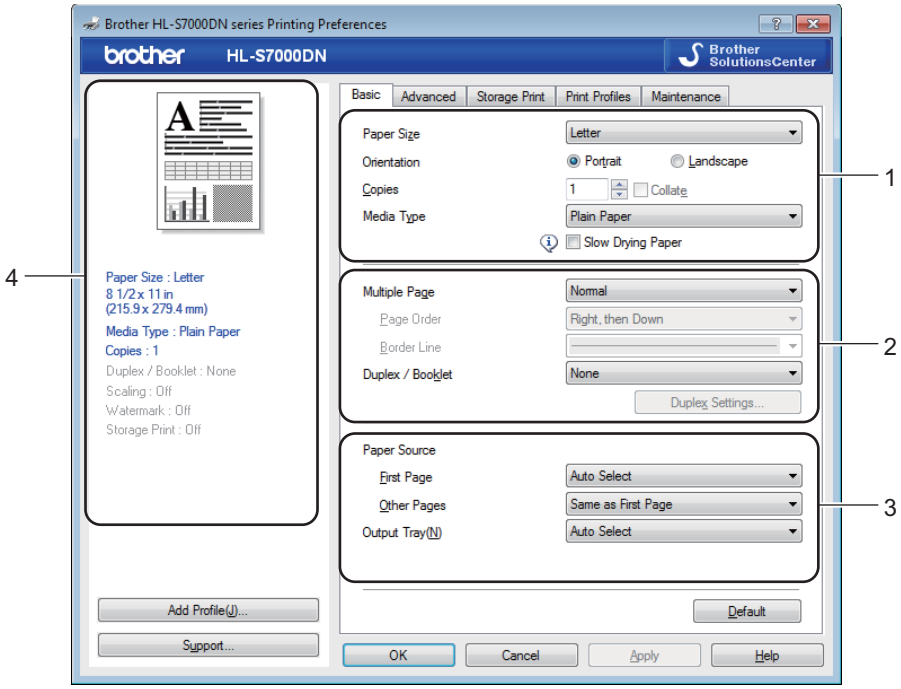
For more information, see the **Help** text in the printer driver.

Note

- The screens in this section are from Windows® 7. The screens on your PC will vary depending on your operating system.
- To access the printer driver settings, see *Accessing the printer driver settings* ➤➤ page 27.

Basic tab

You can also change the Page Layout settings by clicking the illustration on the left side of the **Basic** tab.



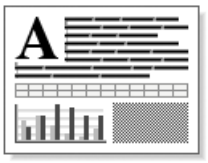
1. Choose the **Paper Size**, **Orientation**, **Copies** and **Media Type** (1).
2. Choose **Multiple Page** and **Duplex / Booklet** (2).
3. Choose the **Paper Source** and **Output Tray** (3).
4. Confirm your current settings in the window (4).
5. Click **OK** to apply your chosen settings.
 To return to the default settings, click **Default**, then **OK**.

Paper Size

From the drop-down box choose the Paper Size you are using.

Orientation

Orientation selects the position of how your document will be printed (**Portrait** or **Landscape**).

Portrait (Vertical)	Landscape (Horizontal)
	

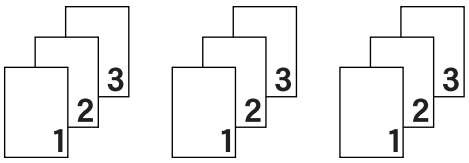
Copies

The copies selection sets the number of copies that will be printed.

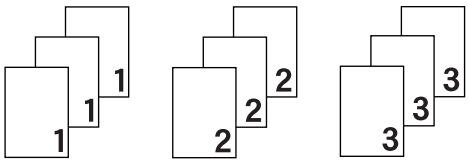
■ **Collate**

With the Collate check box selected, one complete copy of your document will be printed and then repeated for the number of copies you selected. If the Collate check box is not selected, then each page will be printed for all the copies selected before the next page of the document is printed.

Collate checked



Collate non-checked



Media Type

You can use the following types of media in your machine. For the best print quality, select the type of media that you wish to use.

- **Plain Paper**
- **Thin Paper**
- **Thick Paper**
- **Bond Paper**
- **Recycled Paper**

Note

When using ordinary plain paper 16 to 28 lb (60 to 105 g/m^2) choose **Plain Paper**. When using heavier weight paper or rough paper choose **Thick Paper**. For bond paper, choose **Bond Paper**.

Slow Drying Paper

When using paper that dries slowly, select this option to prevent bleed-through.

Multiple Page

The Multiple Page selection can reduce the image size of a page to allow multiple pages to be printed on one sheet of paper or it can enlarge the image size for printing one page on multiple sheets of paper.

- **Page Order**

 When N in 1 option is selected, the page order can be selected from the drop-down list.

- **Border Line**

 When printing multiple pages onto one sheet, with the Multiple Page feature, you can choose to have a solid border, dash border or no border around each page on the sheet.

- **Print cut-out line**

 When the 1 in NxN pages option is selected, the **Print cut-out line** option can be selected. This option allows you to print a faint cut-out line around the printable area.

Duplex / Booklet

When you want to print a booklet or do duplex printing, use this function.

■ **None**

Disable duplex printing.

■ **Duplex**

When you want to do duplex printing, use these options.

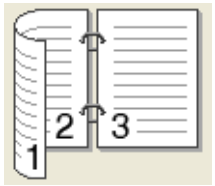
When you choose **Duplex**, the **Duplex Settings** button becomes available to choose. You can set the following settings in the **Duplex Settings** dialog box.

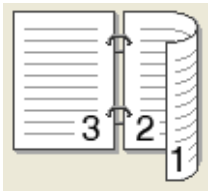
- **Duplex Type**

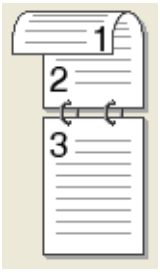
 There are four types of duplex binding directions available for each orientation.

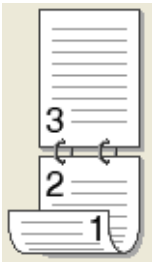
 Portrait

 Long Edge (Left) **Long Edge (Right)** **Short Edge (Top)** **Short Edge (Bottom)**

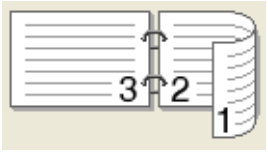
 

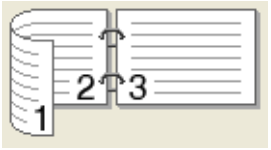
 Landscape

 Long Edge (Top) **Long Edge (Bottom)** **Short Edge (Right)** **Short Edge (Left)**

- **Binding Offset**

 When you check **Binding Offset**, you can also specify the offset for binding in inches or millimeters.

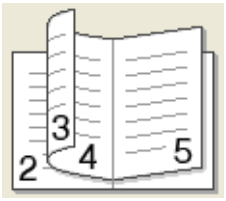
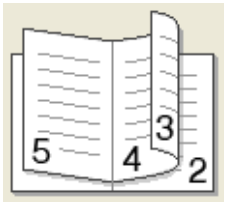
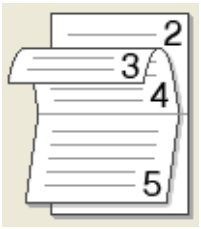
■ **Booklet**

Use this option to print a document in booklet format using duplex printing; it will arrange the document according to the correct page number and allows you to fold at the center of the print output without having to change the order of the page number.

When you choose **Booklet**, the **Duplex Settings** button becomes available to choose. You can set the following settings in the **Duplex Settings** dialog box.

- **Duplex Type**

 There are two types of duplex binding directions available for each orientation.

Portrait		**Landscape**	
Left Binding	**Right Binding**	**Top Binding**	**Bottom Binding**
			

- **Booklet Printing Method**

 When **Divide into Sets** is selected:

 This option allows you to print the whole booklet as smaller individual booklet sets; it still allows you to fold at the center of the smaller individual booklet sets without having to change the order of the page numbers. You can specify the number of sheets in each smaller booklet set, from 1 to 15. This option can help when folding a printed booklet that has a large number of pages.

- **Binding Offset**

 When you check **Binding Offset**, you can also specify the offset for binding in inches or millimeters.

Paper Source

You can choose **Auto Select**, **Tray1**, **Tray2** [1], **Tray3** [1], **Tray4** [1], **MP Tray**, **Manual**, **Tray ID 1**, **Tray ID 2**, **Tray ID 3** or **Tray ID 4** and specify separate trays for printing the first page and for printing from the second page onwards.

[1] Available if this optional lower tray is installed.

Output Tray

You can select the following paper output trays:

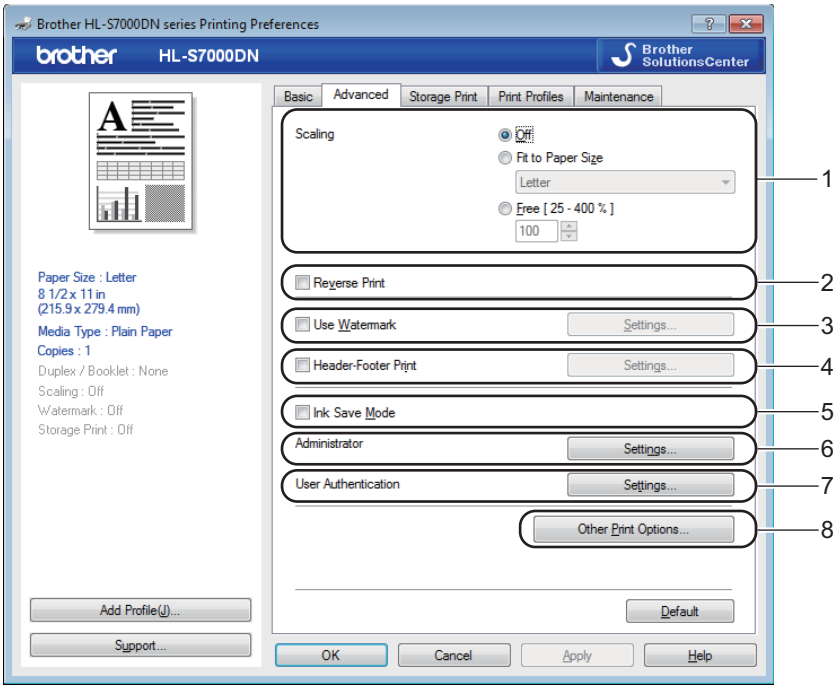
■ **Auto Select**

■ **Standard**

■ **Optional** [1]

[1] Available if the optional output tray is installed.

Advanced tab



Change the tab settings by clicking one of the following selections:

- **Scaling** (1)
- **Reverse Print** (2)
- **Use Watermark** (3)
- **Header-Footer Print** (4)
- **Ink Save Mode** (5)
- **Administrator** (6)
- **User Authentication** (7)
- **Other Print Options** (8)

Scaling

You can change the print image scaling.

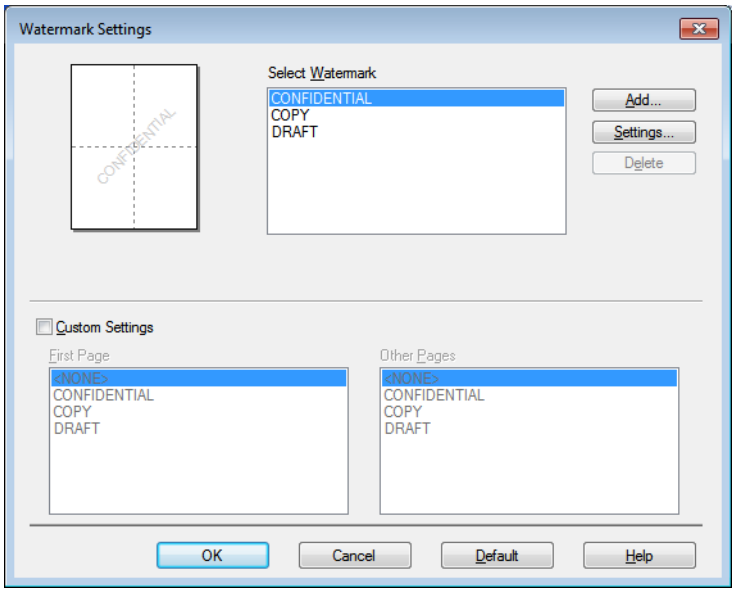
Reverse Print

Check **Reverse Print** to reverse the data from up to down.

Use Watermark

You can put a logo or text into your document as a watermark. You can choose one of the preset Watermarks, or you can use a bitmap file that you have created. Check **Use Watermark** and then click the **Settings** button.

Watermark Settings

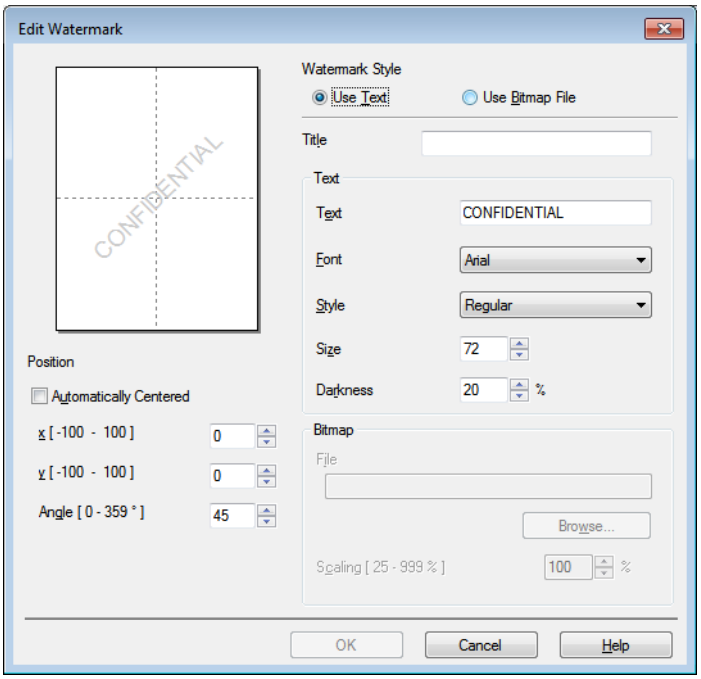


■ Custom Settings

You can choose to print which watermark to be printed on the first page or on the other pages.

■ Adding a watermark

Click the **Add** button to add the watermark settings and then choose **Use Text** or **Use Bitmap File** in **Watermark Style**.



- **Title**

 Enter a suitable title into the field.

- **Text**

 Enter your Watermark Text into the **Text** box, and then choose the **Font**, **Style**, **Size** and **Darkness**.

- **Bitmap**

 Enter the file name and location of your bitmap image in the **File** box, or click **Browse** to search for the file. You can also set the scaling size of the image.

- **Position**

 Use this setting if you want to control the position of the watermark on the page.

Header-Footer Print

When this feature is enabled, it will print the date and time on your document from your computer's system clock and the PC login user name or the text you entered. By clicking **Settings**, you can customize the information.

■ **ID Print**

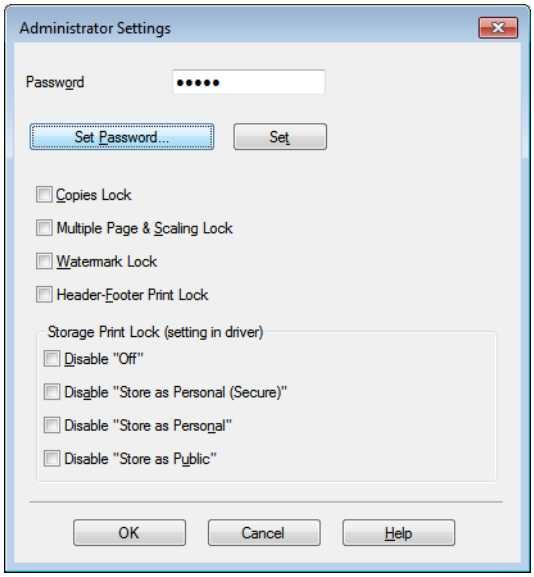
If you select **Login User Name**, your PC login user name will print. If you select **Custom** and enter text in the **Custom** edit box, the text you entered will print.

Ink Save Mode

You can conserve ink use with this feature. When you choose **Ink Save Mode**, printed items appear lighter. You cannot change the Ink Save Mode setting if you check **Slow Drying Paper** on the **Basic** tab.

Administrator

Administrators have the authority to limit access to functions such as scaling and watermark.



■ **Password**

Enter the password into this box.

Note

Click **Set Password...** to change the password.

■ **Copies Lock**

Locks the copy pages selection to prevent multiple copy printing.

■ **Multiple Page & Scaling Lock**

Locks the scaling setting and multiple page setting.

■ **Watermark Lock**

Locks the current settings of the Watermark option to prevent changes being made.

■ **Header-Footer Print Lock**

Locks the current settings of the Header-Footer Print option to prevent changes being made.

■ **Storage Print Lock (setting in driver)**

You can limit users' access to the Storage Print feature. For information about Storage Print, see *Storage Print tab* ➤➤ page 39.

User Authentication

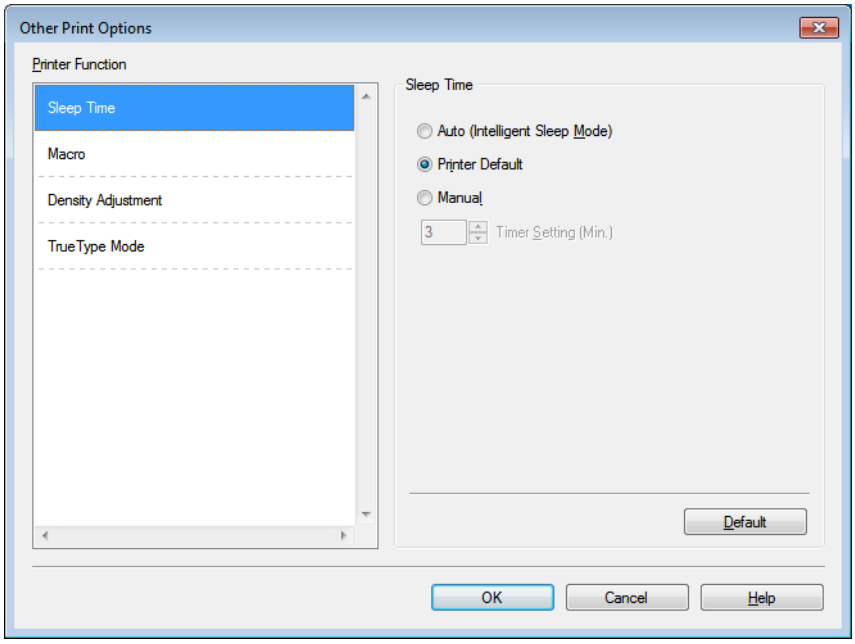
If you are restricted from PC Print by the Secure Function Lock 2.0 feature, you need to set your ID and PIN in the **User Authentication Settings** dialog. Click **Settings** of the **User Authentication** and enter your ID and PIN. If your PC login name is registered to Secure Function Lock 2.0, you can check the **Use PC Login Name** box instead of entering your ID and PIN.

More information about Secure Function Lock 2.0 ➤➤ Network User's Guide

Note

- When you use the machine through a network you can see your ID information, such as the status of restricted features and the number of remaining pages you are allowed to print, by clicking **Check Print Status**. The **Authentication result** dialog will appear.
- When you use the machine through a network, you can make the **Authentication result** dialog appear each time you print by checking **Show print status before printing**.
- If you want to enter your ID and PIN each time you print, check **Enter ID Name/PIN for each print job**.

Other Print Options



You can set the following in Printer Function:

- **Sleep Time**
- **Macro**
- **Density Adjustment**
- **TrueType Mode**

Sleep Time

When the machine does not receive data for a certain period of time, it enters sleep mode. In sleep mode, the machine acts as though it were turned off. When you choose Printer Default, the timeout setting will be reset to the specific time set at the machine; this can be altered in the driver. Intelligent Sleep Mode automatically adjusts to the most suitable timeout setting depending on the frequency of your machine use.

While the machine is in Sleep Mode, the LCD shows `Sleep`, but the machine can still receive data. Receiving a print job will automatically wake up the machine to start printing.

Macro

You can save a page of a document as a macro to the machine's memory. You can also execute the saved macro (you can use the saved macro as an overlay on any document). This will save time and increase print speed for often used information such as forms, company logos, letterhead formats or invoices.

Density Adjustment

Increases or decreases the print density.
You cannot change the Density Adjustment setting if you check **Slow Drying Paper** on the **Basic** tab.

When you choose Duplex or Booklet and increase print density, print speed will decrease accordingly.

TrueType Mode

TrueType fonts may be sent to your printer in one of the following ways:

- **Download as TrueType**
- **Download as Bit image**

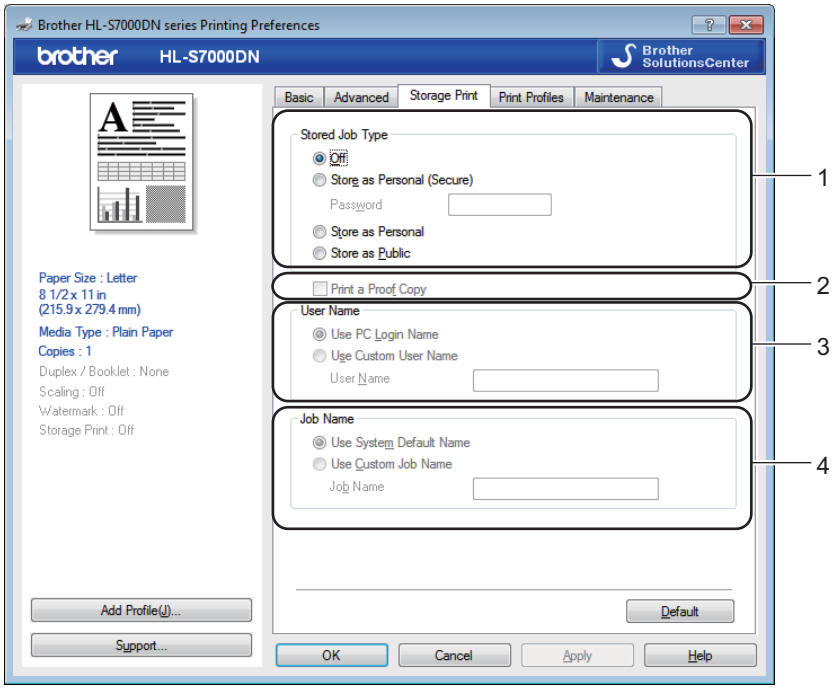
Storage Print tab

Storage Print allows you to save print jobs in the machine and print them later. The machine will not print the document when you send it for printing. To print the document, you must use the control panel of the machine. (See *Printing storage data* ➤➤ page 88.)

Note

If the optional card reader is connected to the machine, you can use card authentication to print storage data. Because you can use your cards to access only your personal storage data, card authentication is effective at preventing unauthorized access to your storage data.

For details about the card reader and card authentication, please refer to the Card Reader Operation Guide located on the **Manuals** page for your model on the Brother Solutions Center web site at http://solutions.brother.com/.



To send a print job and store it in the machine:

1. Choose whether to store the print job as personal data or public data in **Stored Job Type** (1).

 - **Off**

 The print job will not be stored in the machine.

 - **Store as Personal (Secure)** / **Store as Personal**

 The print job will be stored in the user's folder in the machine.

 - **Store as Public**

 The print job will be stored in the machine and can be accessed by any user.

2 If you chose **Store as Personal (Secure)**, enter a 4-digit number for the password in the **Password** box. Your print job will be protected with the password and sent to the machine. You must enter the password using the control panel of the machine to print the print job.

3 To print your document at the same time you store your print job in the machine, check **Print a Proof Copy** (2).

4 Set the user name given to the print job in **User Name** (3).

- **Use PC Login Name**

 The PC Login Name will be used as the user name.

- **Use Custom User Name**

 Enter the user name you want to use.

5 Choose the print job name in **Job Name** (4).

- **Use System Default Name**

 Uses the job name specified by the application.

- **Use Custom Job Name**

 Enter the job name you want to use.

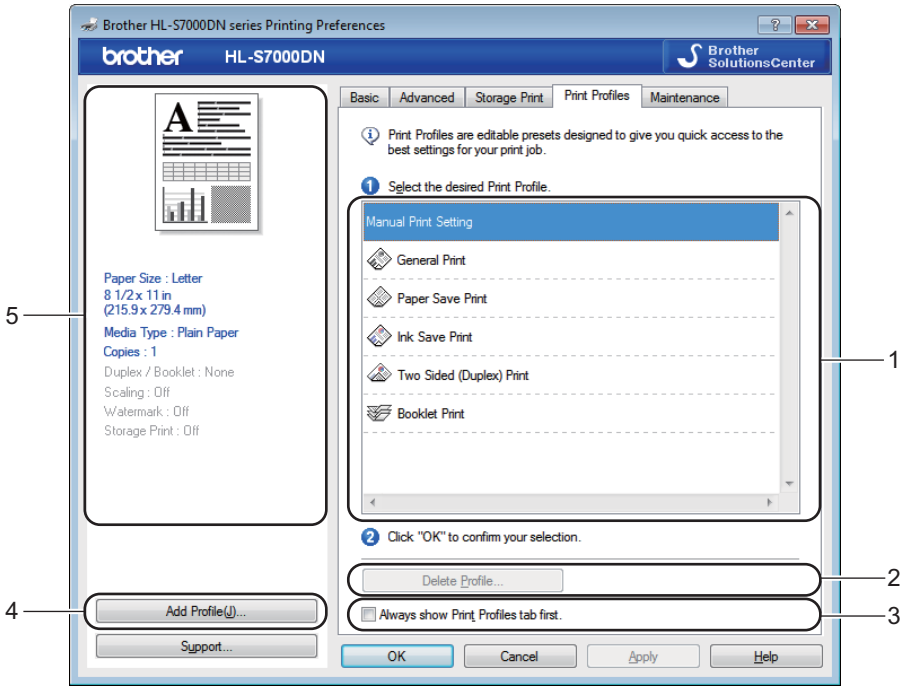
6 Click **OK** to apply your chosen profile.

To delete Storage Print data:

Use the control panel of the machine to delete Storage Print data. (See *How to delete storage data* ➤➤ page 89.)

Print Profiles tab

Print Profiles are editable presets designed to give you quick access to frequently used printing configurations.



- Print profile list box (1)
- **Delete Profile** (2)
- **Always show Print Profiles tab first** (3)
- **Add Profile** (4)
- Current print profile view (5)

1. Choose your profile from the print profile list box.
2. If you want to display the **Print Profiles** tab first for future print jobs, check **Always show Print Profiles tab first**.
3. Click **OK** to apply your chosen profile.

Add Profile

The **Add Profile** dialog appears by clicking **Add Profile**. You can add 20 new profiles with your preferred settings.

1. Enter the title you want in **Name**.
2. Choose an icon you want to use from the Icon list, then click **OK**.
3. The current settings shown on the left side of the printer driver window will be saved.

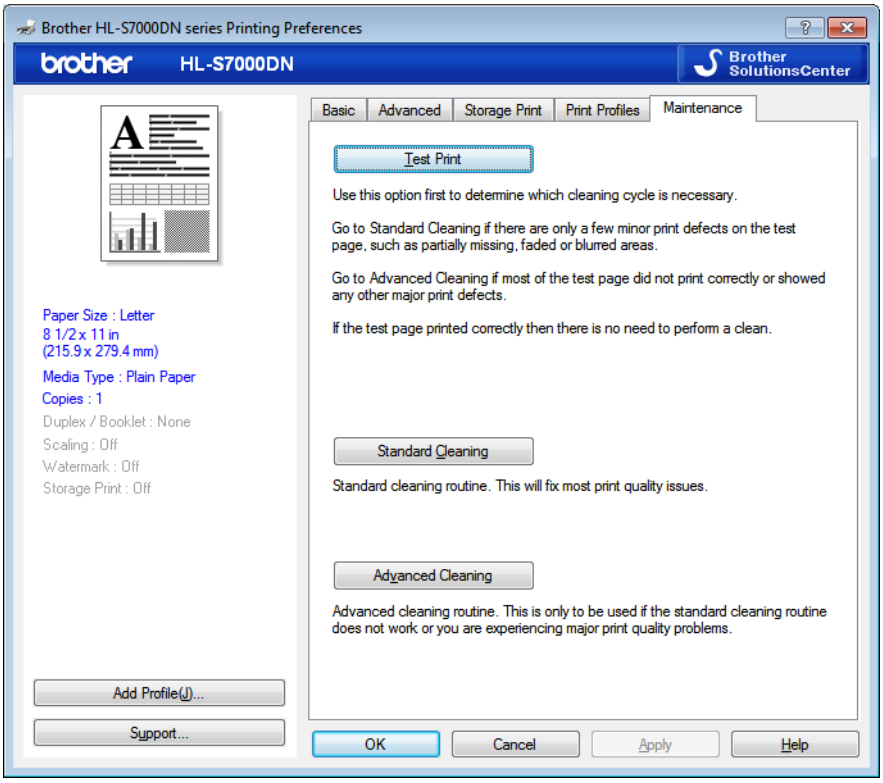
Delete Profile

The **Delete Profile** dialog box appears when you click **Delete Profile**. You can delete any of the profiles you have added.

1. Choose your profile from the print profile list box.
2. Click **Delete**.
3. Click **Yes** to confirm.
 The selected profile will be deleted.
4. Click **Close** to close the dialog box.

Maintenance tab

To maintain good print quality, the machine will automatically clean the print head when needed. You can also start the cleaning process manually if there is a print quality problem.



- **Test Print**

 You can print the test page and check the print quality.

- **Standard Cleaning**

 You can start the cleaning process manually. Clean the print head if a vertical line appears in text or graphics, or if blank spaces appear in the text on printed pages.

- **Advanced Cleaning**

 Cleans the print head more thoroughly than **Standard Cleaning**. Choose this option if **Standard Cleaning** does not clean the print head adequately, when the print appears thin, or when there are smudges.

Note

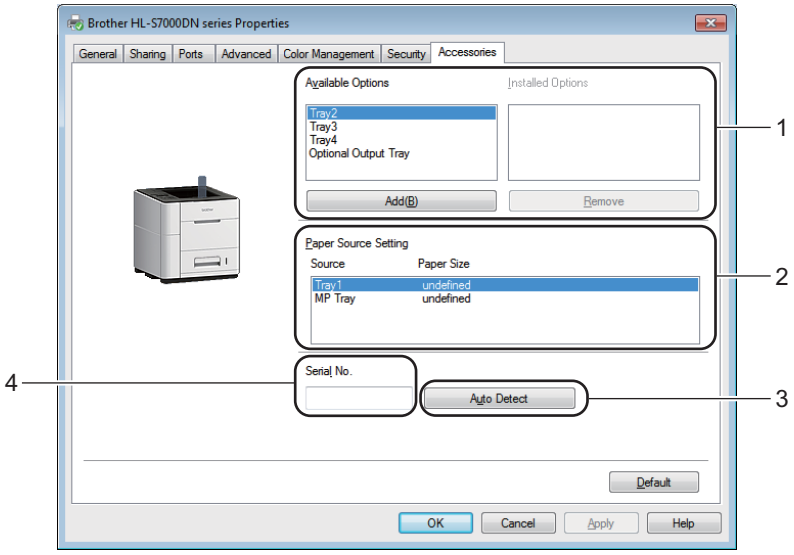
Advanced Cleaning consumes larger amounts of ink than **Standard Cleaning**.

Accessories tab

Note

To access the **Accessories** tab, see *Accessing the printer driver settings* ➤➤ page 27.

You can define the paper size for each paper tray and auto detect the serial number in the **Accessories** tab as follows.



■ **Available Options** / **Installed Options** (1)

You can manually add and remove the options that are installed on the machine. Tray settings will match the installed options.

■ **Paper Source Setting** (2)

This feature recognizes the paper size set from the control panel menu for each paper tray when you click **Auto Detect** (3).

■ **Auto Detect** (3)

The **Auto Detect** function finds the currently installed optional devices and shows the available settings in the printer driver. When you click **Auto Detect**, options that are installed on the machine will be listed in **Available Options** (1). You can manually add or remove the options by choosing an optional device you want to add or remove, and then clicking **Add** or **Remove**.

Note

The **Auto Detect** (3) function is not available under the following machine conditions:

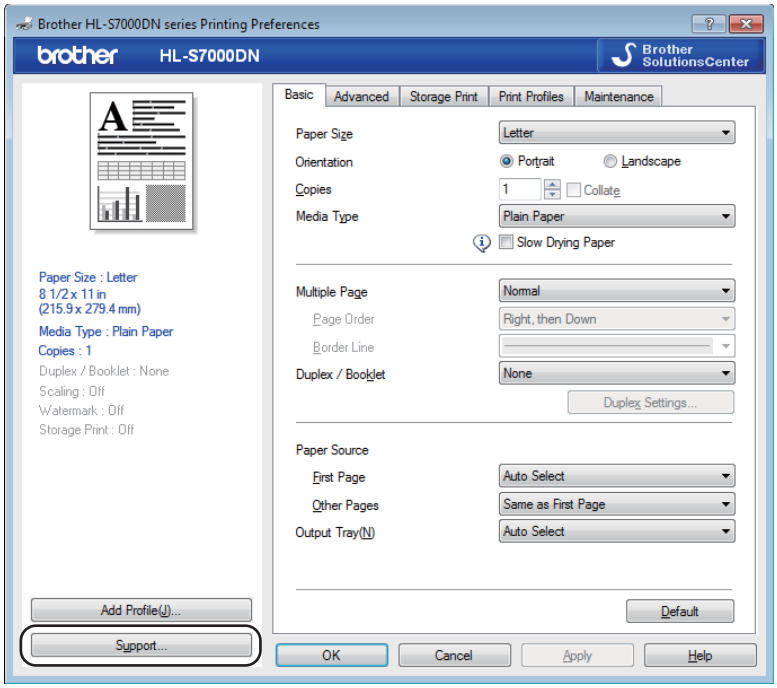
- The machine is turned off.
- The machine is in an error state.
- The machine is connected to the print server using a USB cable in a shared network environment.
- The cable is not connected to the machine correctly.

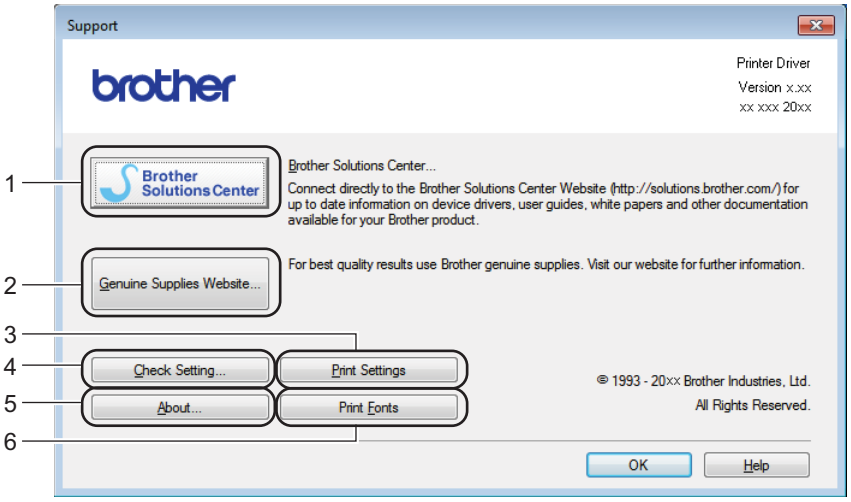
■ **Serial No.** (4)

By clicking **Auto Detect** (3), the printer driver will probe the machine and display its serial number. If printer driver fails to receive the information, the screen will display “----------” instead of the serial number.

Support

Click **Support** in the **Printing Preferences** dialog box.





- **Brother Solutions Center** (1)

 The Brother Solutions Center (http://solutions.brother.com/) is a Web site offering information about your Brother product including FAQs (Frequently Asked Questions), User's Guides, driver updates and tips for using your machine.

- **Genuine Supplies Website** (2)

 You can visit our Web site for original/genuine Brother supplies by clicking this button.

- **Print Settings** (3)

 This button will print the pages that show how the internal settings of the machine have been configured.

- **Check Setting** (4)

 You can check the current driver settings.

- **About** (5)

 This button will list the printer driver files and version information.

- **Print Fonts** (6)

 This button will print pages showing all the internal fonts of the machine.

Features in the BR-Script3 printer driver (PostScript® 3™ language emulation)

Note

The screens in this section are from Windows® 7. The screens on your PC may vary depending on your operating system.

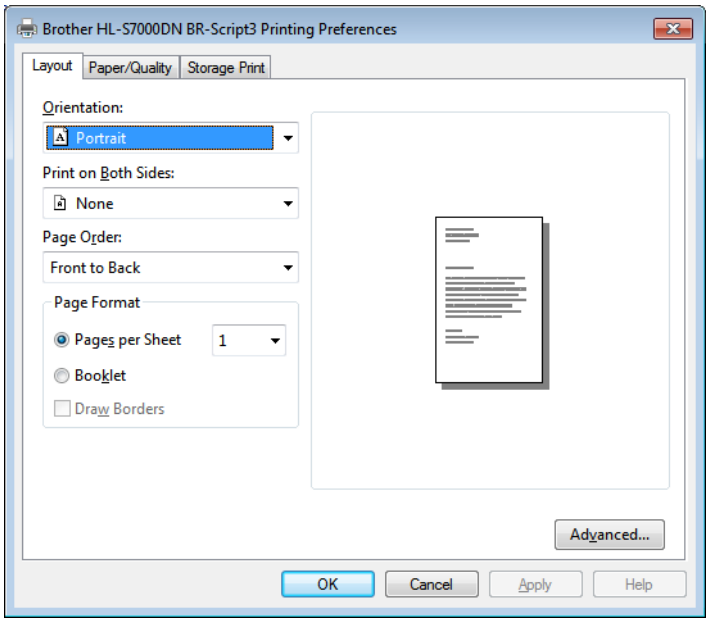
Printing Preferences

Note

You can access the **Printing Preferences** dialog box by clicking **Printing Preferences** (**Preferences**) in the **General** tab of the **Brother HL-S7000DN BR-Script3 Properties** dialog box.

■ **Layout** tab

You can change the layout setting by choosing the settings for **Orientation**, **Print on Both Sides** (Duplex), **Page Order** and **Page Format**.



- **Orientation**

 Orientation selects the position of how your document will be printed.

 (**Portrait**, **Landscape** or **Rotated Landscape**)

- **Print on Both Sides**

 If you want to do duplex printing, choose **Flip on Short Edge** or **Flip on Long Edge**.

- **Page Order**

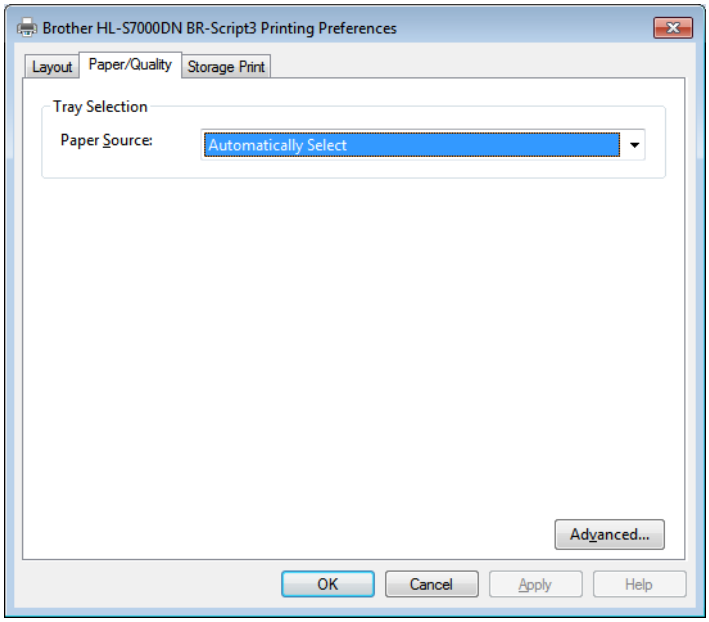
 Specifies the order in which the pages of your document will be printed. **Front to Back** prints the document so that page 1 is on top of the stack. **Back to Front** prints the document so that page 1 is on the bottom of the stack.

- **Page Format**

 The **Pages per Sheet** selection reduces the image size of each page to allow multiple pages to be printed on one sheet of paper. Also, you can print a document in the booklet style automatically when you choose **Booklet**.

■ **Paper/Quality** tab

Choose the **Paper Source**.



- **Paper Source**

 You can choose **Automatically Select**, **Auto Select by Printer**, **Tray1**, **Tray2** [1], **Tray3** [1], **Tray4** [1], **MP Tray**, **Tray ID 1**, **Tray ID 2**, **Tray ID 3**, **Tray ID 4** or **Manual Feed**.

 Automatically Select

 This setting will automatically pull paper from any paper source that has a paper size defined in the printer driver that matches your document.

 Auto Select by Printer

 This setting will automatically pull paper from any paper source that has a paper size defined in the machine that matches your document.

 Tray1

 This setting will pull paper from Tray 1.

 Tray2 / **Tray3** / **Tray4**

 This setting will pull paper from Tray 2, Tray 3 or Tray 4. [1]

 MP Tray

 This setting will pull paper from the MP Tray. The paper size needs to match the defined paper size in the printer driver and in the machine.

 Tray ID 1 / **Tray ID 2** / **Tray ID 3** / **Tray ID 4**

 This setting will pull paper from the tray according to the Tray ID setting. (See *Tray ID setting (if the lower trays are installed)* ➤➤ page 11.)

[1] Available if the optional lower trays are installed.

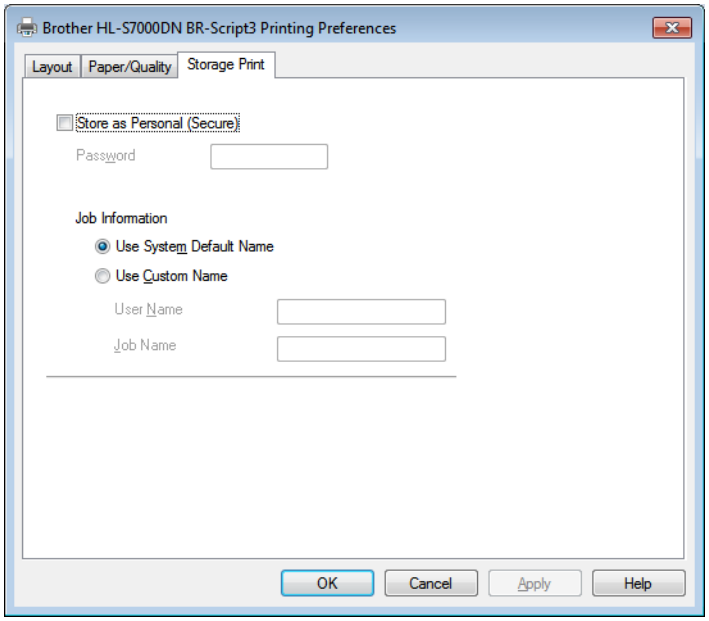
■ **Storage Print** tab

Storage Print allows you to save print jobs in the machine and print them later. The machine will not print the document when you send it for printing. To print the document, you must use the control panel of the machine. (See *Printing storage data* ➤➤ page 88.)

Note

If the optional card reader is connected to the machine, you can use card authentication to print storage data. Because you can use your cards to access only your personal storage data, card authentication is effective at preventing unauthorized access to your storage data.

For details about the card reader and card authentication, please refer to the Card Reader Operation Guide located on the **Manuals** page for your model on the Brother Solutions Center web site at http://solutions.brother.com/.



To send a print job and store it in the machine:

1. Check **Store as Personal (Secure)**, and then enter a 4-digit number for the password in the **Password** box.
 The print job will be protected with the password and sent to the machine. You must enter the password using the control panel of the machine to print the print job.

2. Set the user name and job name given to a print job in **Job Information**.

 ■ **Use System Default Name**

 The PC Login Name will be used as the user name and the job name will be specified by the application.

 ■ **Use Custom Name**

 Enter the user name and job name you want to use.

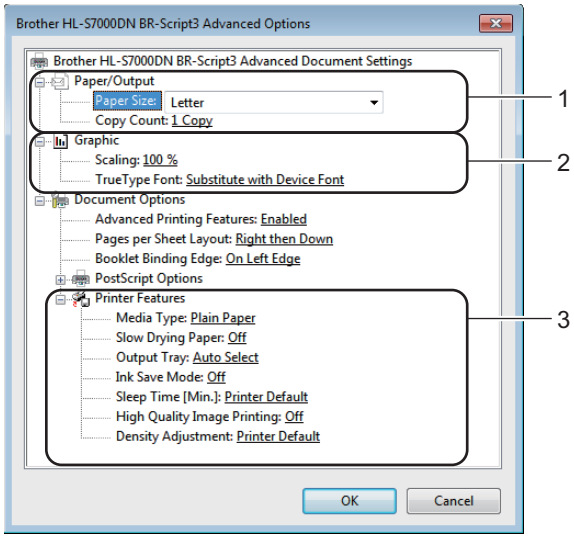
3 Click **OK** to apply your chosen profile.

To delete Storage Print data:

Use the control panel of the machine to delete Storage Print data. (See *How to delete storage data* ➤➤ page 89.)

Advanced options

You can access the **Advanced options** by clicking the **Advanced** button on the **Layout** tab or **Paper/Quality** tab.



1 Choose the **Paper Size** and **Copy Count** (1).

- **Paper Size**

 From the drop-down box choose the Paper Size you are using.

- **Copy Count**

 The copy selection sets the number of copies that will be printed.

2 Set the **Scaling** and **TrueType Font** settings (2).

- **Scaling**

 Specifies whether to reduce or enlarge documents, and by what percentage.

- **TrueType Font**

 Specifies the TrueType font options. Click **Substitute with Device Font** (the default) to use equivalent printer fonts for printing documents that contain TrueType fonts. This will permit faster printing; however, you might lose special characters not supported by the printer font. Click **Download as Softfont** to download TrueType fonts for printing instead of using printer fonts.

3 You can change settings by choosing a setting in the **Printer Features** list (3):

■ **Media Type**

You can use the following types of media in your machine. For the best print quality, select the type of media you wish to use.

- **Plain Paper**
- **Thin Paper**
- **Thick Paper**
- **Bond Paper**
- **Recycled Paper**

■ **Slow Drying Paper**

When using paper that dries slowly, select this option to prevent bleed-through.
If you set **Ink Save Mode** to **On**, or set the **Density Adjustment** to something other than the **Printer Default**, you cannot turn this setting to on.

■ **Output Tray**

You can select the following paper output trays:

- **Auto Select**
- **Standard**
- **Optional** [1]

[1] Available if the optional output tray is installed.

■ **Ink Save Mode**

You can conserve ink use with this feature. When you set **Ink Save Mode** to **On**, printed items appear lighter. The default setting is **Off**.
If you set **Slow Drying Paper** to **On**, you cannot turn this setting to on.

■ **Sleep Time [Min.]**

When the machine does not receive data for a certain period of time, it enters sleep mode. In sleep mode, the machine acts as though it were turned off. When you choose Printer Default, the timeout setting will be reset to the specific time set at the machine; this can be altered in the driver.

While the machine is in Sleep Mode, the LCD shows `Sleep`, but the machine can still receive data. Receiving a print job will automatically wake up the machine to start printing.

■ **High Quality Image Printing**

You can improve the print quality. If you set **High Quality Image Printing** to **On**, the print speed will be slower.

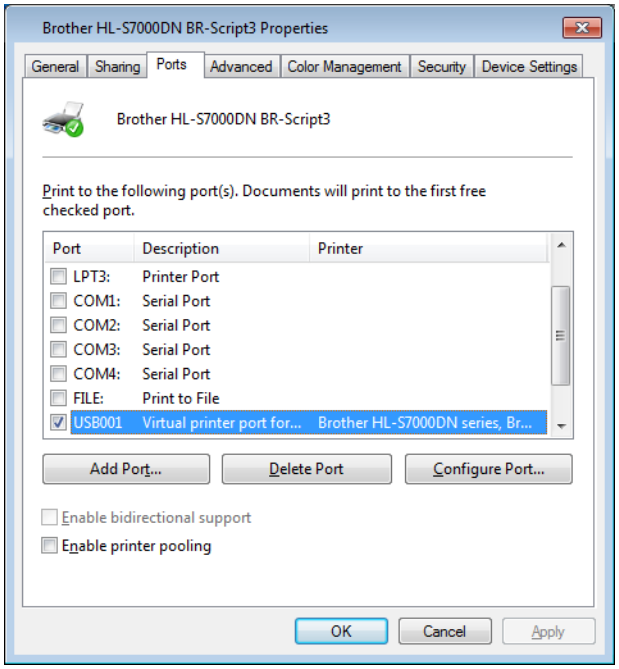
■ **Density Adjustment**

Increases or decreases the print density.
If you set **Slow Drying Paper** to **On**, you cannot change the **Density Adjustment**.

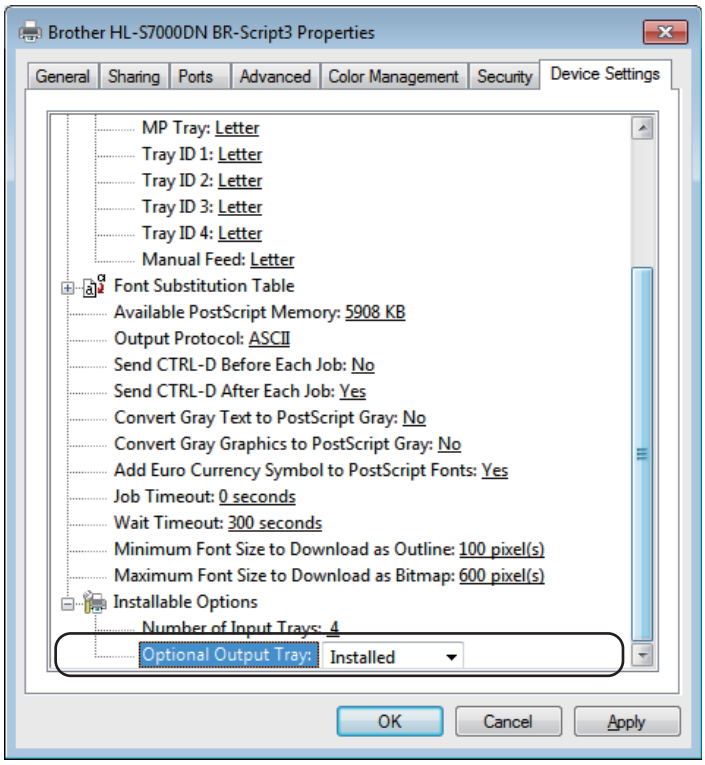
When you choose Duplex or Booklet and increase print density, print speed will decrease accordingly.

Ports tab

If you want to change the port where your machine is connected or the path to the network machine you are using, choose or add the port you want to use.



Device Settings tab



■ **Optional Output Tray**

If you have installed an optional output tray, set this option to **Installed**.

Uninstalling the printer driver

You can uninstall the printer driver that you have installed with the following steps.

Note

- **UnInstall** is not available if you originally installed the printer driver from the Windows® **Add a printer** function.
- After uninstalling, we recommend that you restart your computer to remove files that were in use during the uninstall.

1. Click the **Start** button (), point to **All Programs**, click **Brother**, and then click your machine name.
2. Click **UnInstall**.
3. Follow the instructions on the screen.

Status Monitor

The **Status Monitor** utility is a configurable software tool for monitoring the status of one or more devices, allowing you to get immediate notification of error messages such as paper empty or paper jam.



You can check the device status at anytime by double-clicking the icon in the tasktray or by choosing **Status Monitor** located in **Start** ()/**All Programs**/**Brother**/**HL-S7000DN** on your PC.

(Windows® 7)

If you have set the **Enable Status Monitor on startup** during installation, you will find the button or **Status Monitor** icon on the taskbar.

To show the **Status Monitor** icon on your taskbar, click the button. The **Status Monitor** icon will appear in the small window. Then drag the icon to the taskbar.



There is also a link to the **Troubleshooting** and Brother Genuine Supplies Web site. Click the **Visit the Genuine Supplies website** button for more information on Brother genuine supplies.

Note

- For more information about using the Status Monitor software, right-click the **Status Monitor** icon and choose **Help**.
- The automatic software update feature is active when the status monitor feature is active.

Monitoring the machine’s status

The Status Monitor icon will change color depending on the machine status.

- A green icon indicates the normal stand-by condition.



- A yellow icon indicates a warning.



- A red icon indicates a printing error has occurred.



There are two locations where you can display the **Status Monitor** on your PC - in the tasktray or on the desktop.

Macintosh

Features in the printer driver (Macintosh)

This machine supports Mac OS X v10.5.8 - 10.6.x - 10.7.x.

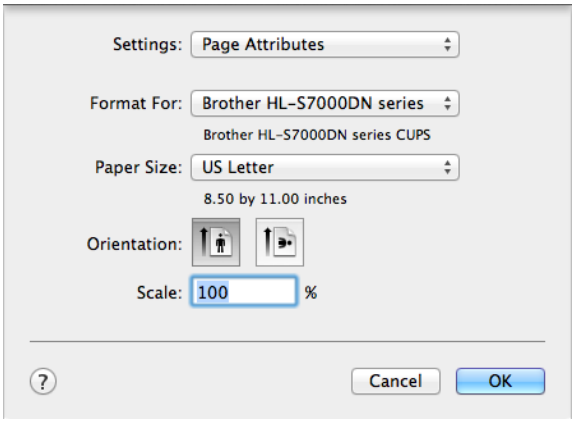
Note

The screens in this section are from Mac OS X v10.7. The screens on your Macintosh will vary depending on your operating system version.

Choosing page setup options

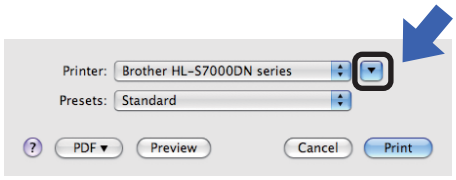
You can set the **Paper Size**, **Orientation** and **Scale**.

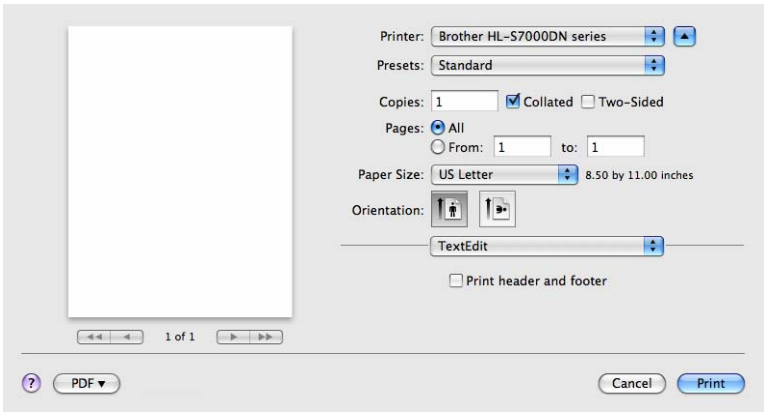
1. From an application such as TextEdit, click **File**, then **Page Setup**. Make sure **Brother HL-S7000DN series** is chosen in the **Format For** pop-up menu. You can change the settings for **Paper Size**, **Orientation** and **Scale**, then click **OK**.



2 From an application such as TextEdit, click **File**, then **Print** to start printing.

■ (For Mac OS X v10.5.8 and 10.6.x)
For more page setup options, click the disclosure triangle beside the Printer pop-up menu.



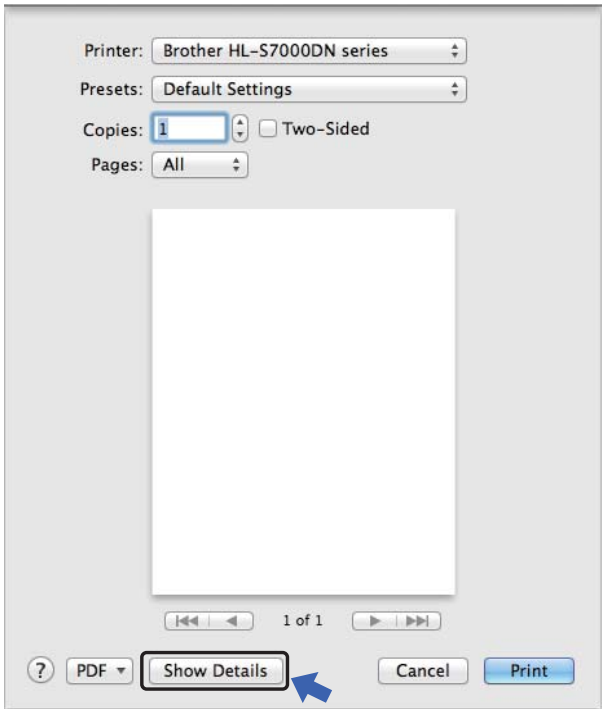


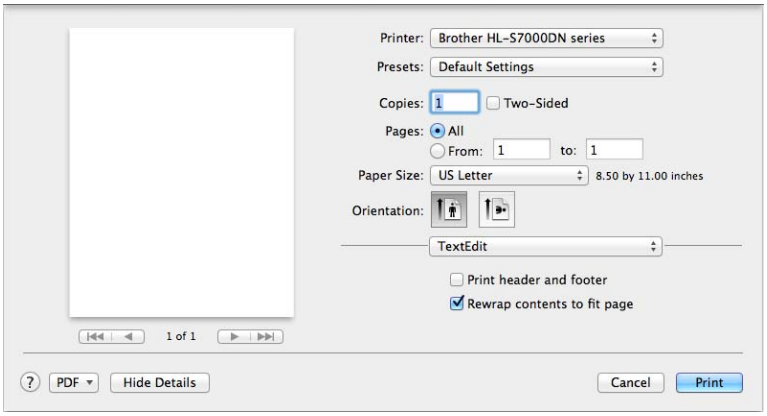
Note

You can save the current settings as a preset by choosing **Save As** from the **Presets** drop-down list.

■ (For Mac OS X v10.7.x)

For more page setup options, click the **Show Details** button.



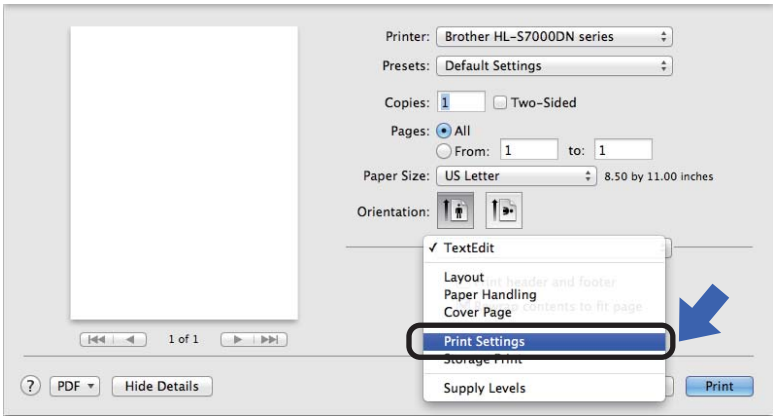


Note

You can save the current settings as a preset by choosing **Save Current Settings as Preset** from the **Presets** drop-down list.

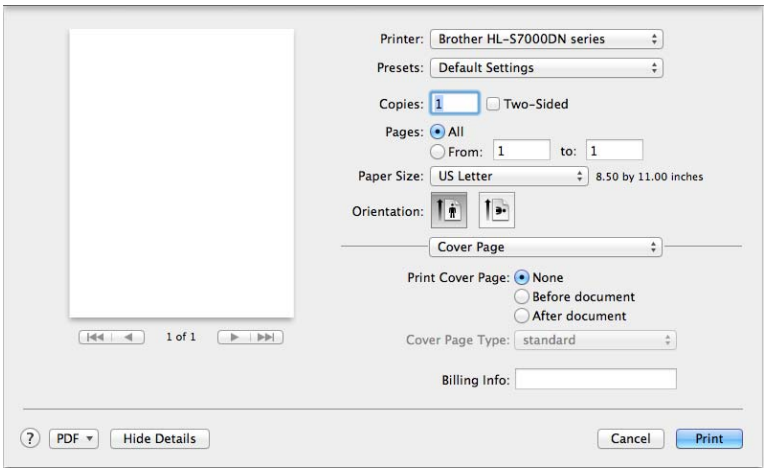
Choosing printing options

To control special printing features, choose **Print Settings** from the Print dialog box. For details of available options, see the following descriptions of each option.



Cover Page

You can choose the following cover page settings:



- **Print Cover Page**

 If you want to add a cover page to your document, use this function.

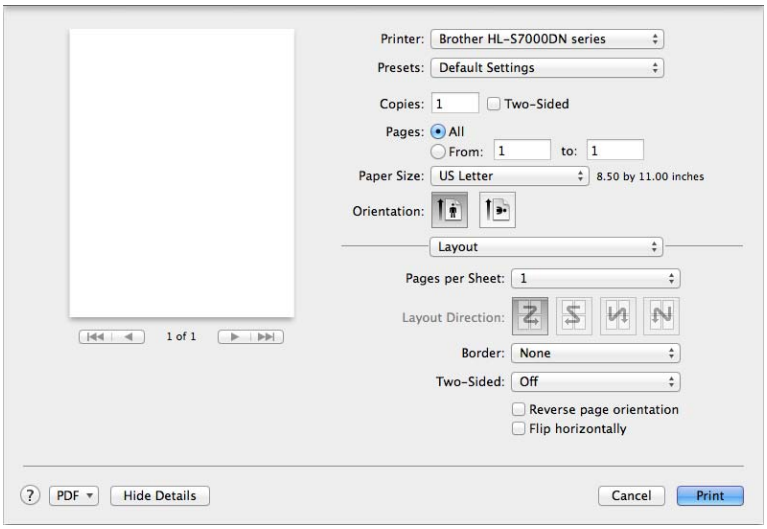
- **Cover Page Type**

 Choose a template for the cover page.

- **Billing Info**

 If you want to add billing information to the cover page, enter text in the **Billing Info** box.

Layout



- **Pages per Sheet**

 The **Pages per Sheet** selection reduces the image size of each page to allow multiple pages to be printed on one sheet of paper.

- **Layout Direction**

 When you specify the pages per sheet, you can also specify the direction of the layout.

- **Border**

 If you want to add a border, use this function.

- **Two-Sided**

 See *Duplex Printing* ➤➤ page 64.

- **Reverse page orientation**

 Check **Reverse page orientation** to reverse the data from up to down.

- **Flip horizontally** (Mac OS X v10.6.x and 10.7.x)

 Check **Flip horizontally** to print as a reflection flipped left-to-right.

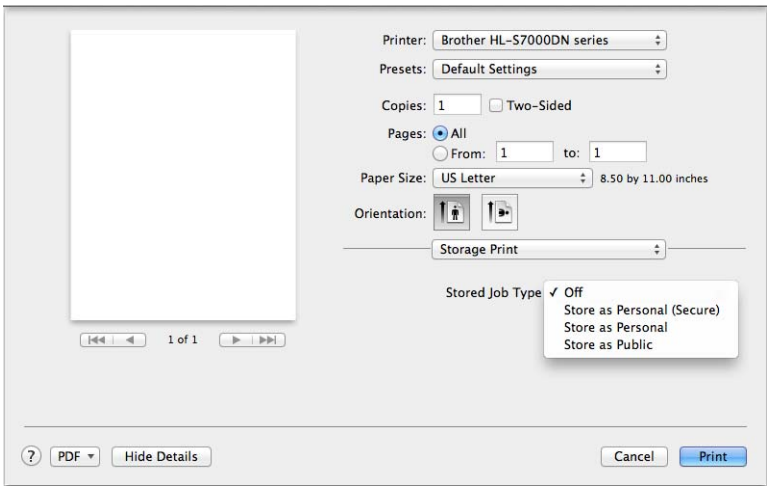
Storage Print

Storage Print allows you to save print jobs in the machine and print them later. The machine will not print the document when you send it for printing. To print the document, you must use the control panel of the machine. (See *Printing storage data* ➤➤ page 88.)

Note

If the optional card reader is connected to the machine, you can use card authentication to print storage data. Because you can use your cards to access only your personal storage data, card authentication is effective at preventing unauthorized access to your storage data.

For details about the card reader and card authentication, please refer to the Card Reader Operation Guide located on the **Manuals** page for your model on the Brother Solutions Center web site at http://solutions.brother.com/.



To send a print job and store it in the machine:

1. Choose whether to store the print job as personal data or public data in **Stored Job Type**.
 - **Off**

 The print job will not be stored in the machine.
 - **Store as Personal (Secure)** / **Store as Personal**

 The print job will be stored in the user's folder in the machine.
 - **Store as Public**

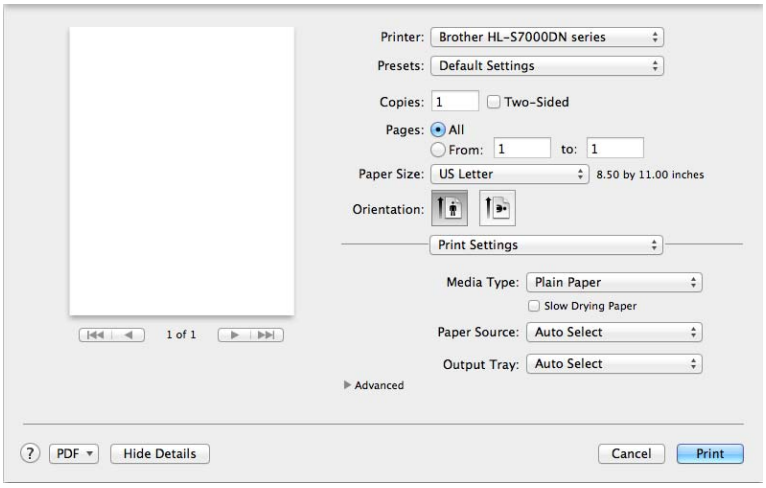
 The print job will be stored in the machine and can be accessed by any user.
2. If you chose **Store as Personal (Secure)**, enter a 4-digit number for the password in the **Password** box. The print job will be protected with the password and sent to the machine. You must enter the password using the control panel of the machine to print the print job.
3. To print your document at the same time you store your print job in the machine, check **Print a Proof Copy**.

To delete Storage Print data:

Use the control panel of the machine to delete Storage Print data. (See *How to delete storage data* ➤➤ page 89.)

Print Settings

You can change settings by choosing a setting in the **Print Settings** list:



■ Media Type

You can change the media type to one of the following:

- **Plain Paper**
- **Thin Paper**
- **Thick Paper**
- **Bond Paper**
- **Recycled Paper**

■ Slow Drying Paper

When using paper that dries slowly, select this option to prevent bleed-through.

■ Paper Source

You can choose **Auto Select**, **Tray1**, **Tray2** [1], **Tray3** [1], **Tray4** [1], **MP Tray**, **Manual**, **Tray ID 1**, **Tray ID 2**, **Tray ID 3** or **Tray ID 4**.

[1] Available if this optional lower tray is installed.

■ Output Tray

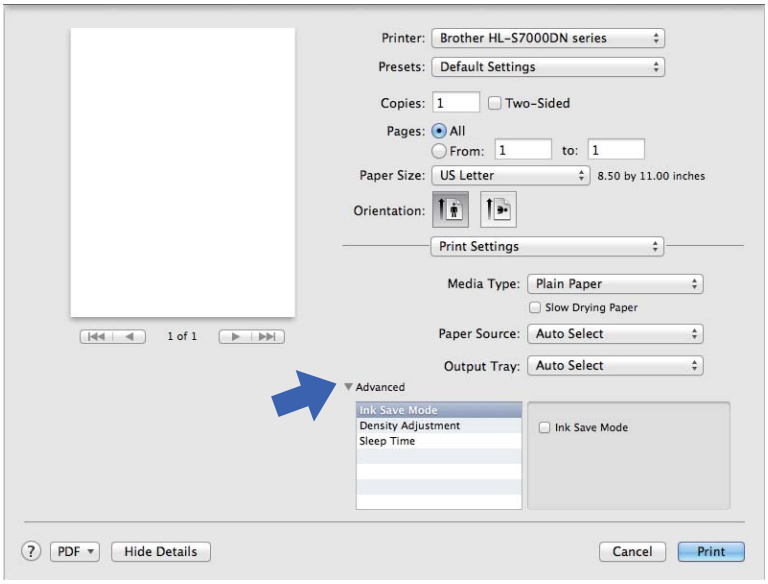
You can select the following paper output trays:

- **Auto Select**
- **Standard**
- **Optional** [1]

[1] Available if the optional output tray is installed.

Advanced print settings

When you click the triangle mark (▶) beside **Advanced**, the advanced print settings appear.



■ **Ink Save Mode**

You can conserve ink use with this feature. When you set **Ink Save Mode** to On, printed items appear lighter. The default setting is Off.
You cannot change the **Ink Save Mode** setting if you set **Slow Drying Paper** to on.

■ **Density Adjustment**

Increases or decreases the print density.
You cannot change the **Density Adjustment** setting if you set **Slow Drying Paper** to on.

When you choose Duplex or Booklet and increase print density, print speed will decrease accordingly.

■ **Sleep Time**

When the machine does not receive data for a certain period of time, it enters sleep mode. In sleep mode, the machine acts as though it were turned off. When you choose **Printer Default**, the timeout setting will be reset to the specific time set at the machine; this can be altered in the driver. If you want to change the Sleep Time, choose **Manual** and then enter the time in the text box on the driver.

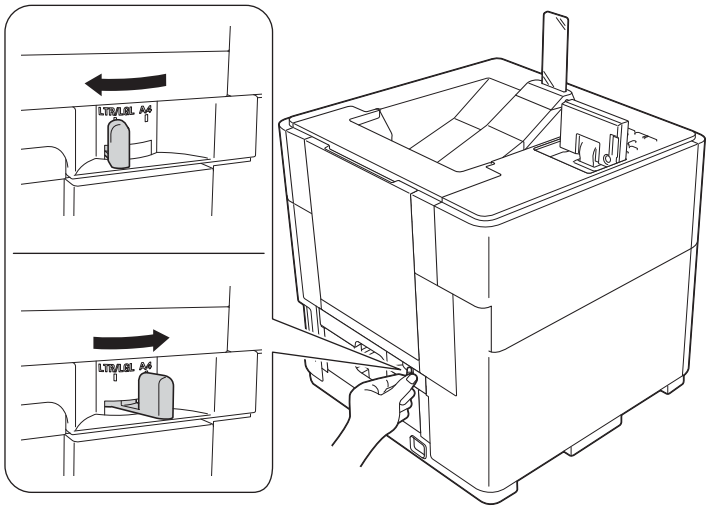
While the machine is in Sleep Mode, the LCD shows `Sleep`, but the machine can still receive data. Receiving a print job will automatically wake up the machine to start printing.

Duplex Printing

Before printing, make sure that you set the duplex paper adjustment lever at the back of the printer to LTR/LGL or A4. When using Folio size paper, set the lever to LTR/LGL.

Letter, Legal or Folio size

A4 size



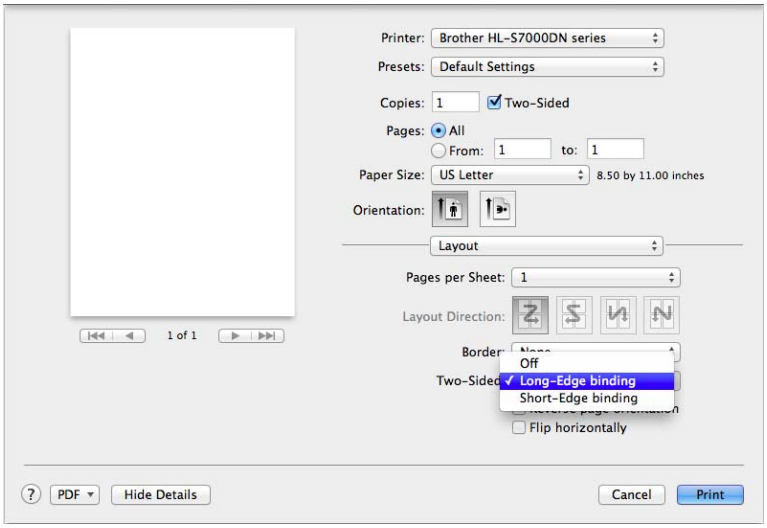
Note

If you try to print when the paper adjustment lever for duplex printing is not correctly set for the paper size being used, the LCD will show `DX Lever Error` and the machine will stop printing. If this happens, move the lever to the correct paper size position.

■ Automatic Duplex Printing

Select **Layout**.

Choose **Long-Edge binding** or **Short-Edge binding** in **Two-Sided**.



Features in the BR-Script3 printer driver (PostScript® 3™ language emulation)

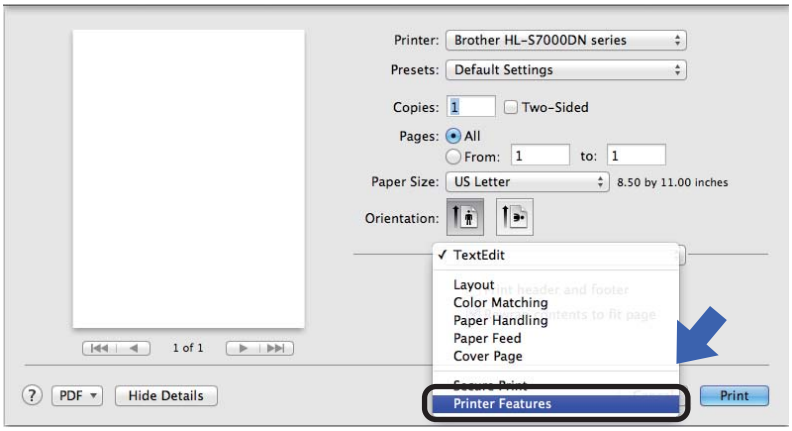
This section introduces the distinctive operations of the BR-Script3 printer driver. For the basic operations of the BR-Script3 printer driver, see *Features in the printer driver (Macintosh)* ➤➤ page 56 for **Page Setup**, **Cover Page**, **Paper Source** and **Layout**.

Note

If you want to set up the PS driver (BR-Script3 printer driver), please go to the Brother Solutions Center at http://solutions.brother.com/ and visit FAQ's on your model page for instructions.

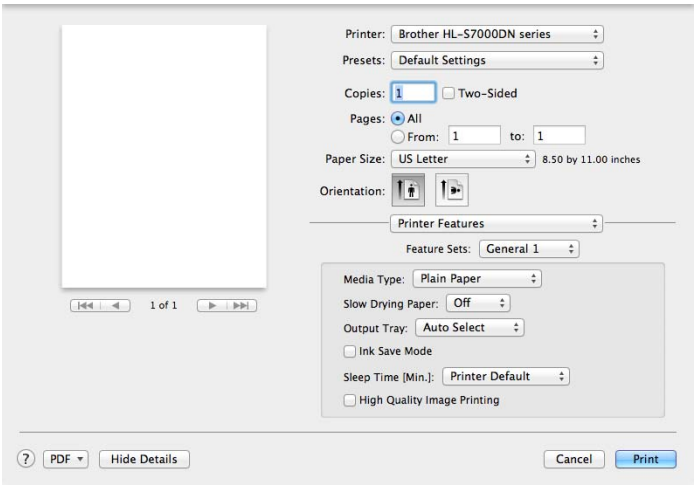
Choosing printing options

To control special printing features, choose **Printer Features** from the Print dialog box.



Printer Features

Feature Sets: General 1



Media Type

You can change the media type to one of the following:

- **Plain Paper**
- **Thin Paper**
- **Thick Paper**
- **Bond Paper**
- **Recycled Paper**

Slow Drying Paper

When using paper that dries slowly, select this option to prevent bleed-through.
If you set **Ink Save Mode** to on, or set the **Density Adjustment** to something other than the **Printer Default**, you cannot turn this setting to on.

Output Tray

You can select the following paper output trays:

- **Auto Select**
- **Standard**
- **Optional** [1]

[1] Available if the optional output tray is installed.

Ink Save Mode

You can conserve ink using this feature. When you check **Ink Save Mode**, printed items appear lighter. The default setting is Off.

You cannot change the **Ink Save Mode** setting if you set **Slow Drying Paper** to on.

Sleep Time [Min.]

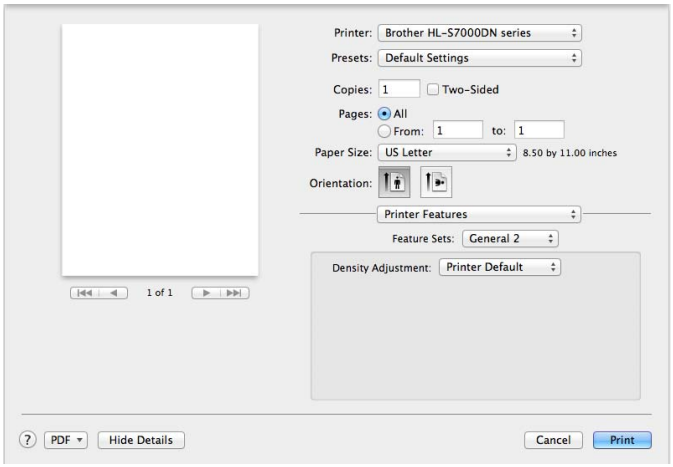
When the machine does not receive data for a certain period of time, it enters sleep mode. In sleep mode, the machine acts as though it were turned off. When you choose **Printer Default**, the timeout setting will be reset to the specific time set at the machine; this can be altered in the driver. If you want to change the Sleep Time, choose **2**, **10** or **30**.

While the machine is in Sleep Mode, the LCD shows `Sleep`, but the machine can still receive data. Receiving a print job will automatically wake up the machine to start printing.

High Quality Image Printing

You can improve the print quality. If you set **High Quality Image Printing** to On, the print speed will be slower.

Feature Sets: General 2



■ Density Adjustment

Increases or decreases the print density.

You cannot change the **Density Adjustment** setting if you set **Slow Drying Paper** to on.

When you choose Duplex or Booklet and increase print density, print speed will decrease accordingly.

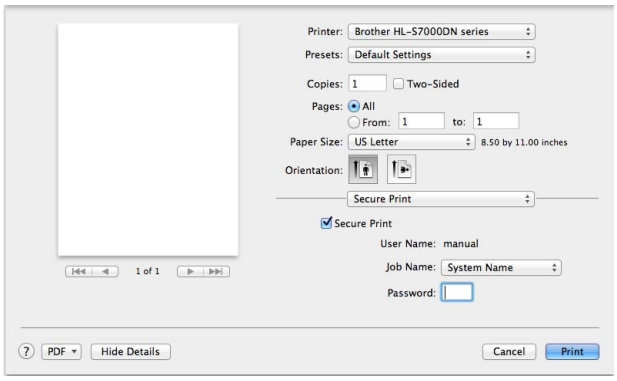
Secure Print

Secure documents are documents that are password protected when they are sent to the machine. Only the people who know the password will be able to print them. Since the documents are secured at the machine, you must enter the password using the control panel of the machine to print them.

Note

If the optional card reader is connected to the machine, you can use card authentication to print secure data. Because you can use your cards to access only your personal secure data, card authentication is effective at preventing unauthorized access to your secure data.

For details about the card reader and card authentication, please refer to the Card Reader Operation Guide located on the **Manuals** page for your model on the Brother Solutions Center web site at http://solutions.brother.com/.



If you want to create a secure print job, click **Secure Print** and check the **Secure Print** box. Enter a password in the **Password** box and click **Print**.

(For more information about Secure Print, See *Printing storage data* ➤➤ page 88.)

Removing the printer driver

1. Log in as an ‘Administrator’.
2. From the Apple menu, choose **System Preferences**. Click **Print & Fax** [1], then choose the printer you want to remove and remove it by clicking the **-** button.
3. Click **OK** [2].

[1] **Print & Scan** for Mac OS X v10.7.x users

[2] **Delete Printer** for Mac OS X v10.6.x and 10.7.x users

Status Monitor

The **Status Monitor** utility is a configurable software tool for monitoring the status of the machine, letting you see error messages such as paper empty or paper jam at pre-set update intervals. You can also access web based management. You can check the device status by launching Brother Status Monitor following these steps:

- For Mac OS X v10.5.8

 1. Run **System Preferences**, select **Print & Fax**, then choose the machine.
 2. Click **Open Print Queue**, then click **Utility**. The Status Monitor will start up.

- For Mac OS X v10.6.x

 1. Run **System Preferences**, select **Print & Fax**, then choose the machine.
 2. Click **Open Print Queue**, then click **Printer Setup**. Select the **Utility** tab and then click **Open Printer Utility**. The Status Monitor will start up.

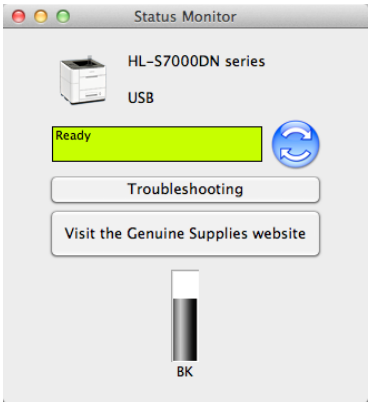
- For Mac OS X v10.7.x

 1. Run **System Preferences**, select **Print & Scan**, then choose the machine.
 2. Click **Open Print Queue**, then click **Printer Setup**. Select the **Utility** tab and then click **Open Printer Utility**. The Status Monitor will start up.

Updating the machine's status

If you want the latest machine status while the **Status Monitor** window is open, click the Refresh icon.

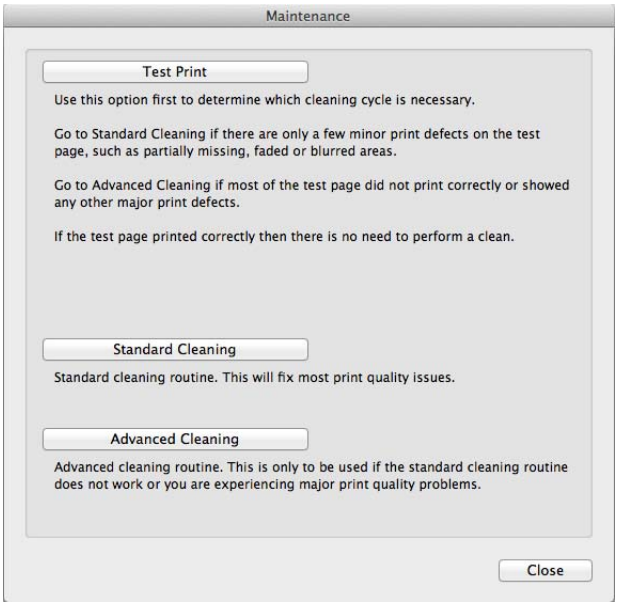
You can set the interval at which the software will update the machine status information. Go to the menu bar, **Brother Status Monitor** and choose **Preferences**.



Maintenance

To maintain good print quality, the machine will automatically clean the print head when needed. You can also start the cleaning process manually if there is a print quality problem.

Click **Control** in the menu bar and then click Maintenance.



■ Test Print

You can print the test page and check the print quality.

- Standard Cleaning

 You can start the cleaning process manually. Clean the print head if a vertical line appears in text or graphics, or if blank text occurs on printed pages.

- Advanced Cleaning

 Cleans the print head more thoroughly than Standard Cleaning. Choose this option if Standard Cleaning does not clean the print head adequately, when the print appears thin, or when there are smudges.

Hiding or showing the window

After starting the **Status Monitor**, you can hide or show the window. To hide the window, go to the menu bar, **Brother Status Monitor** and choose **Hide Status Monitor**. To show the window, click the **Brother Status Monitor** icon in the dock.



Quitting the window

Click **Brother Status Monitor** in the menu bar and then choose **Quit Status Monitor** from the pop-up menu.

Web Based Management (Network Connection only)

You can access the Web Based Management System by clicking the machine icon in the **Status Monitor** screen. A standard Web Browser can be used to manage your machine using HTTP (Hyper Text Transfer Protocol).
For more information on the Web Based Management System ➤➤ Network User's Guide: *Web Based Management*

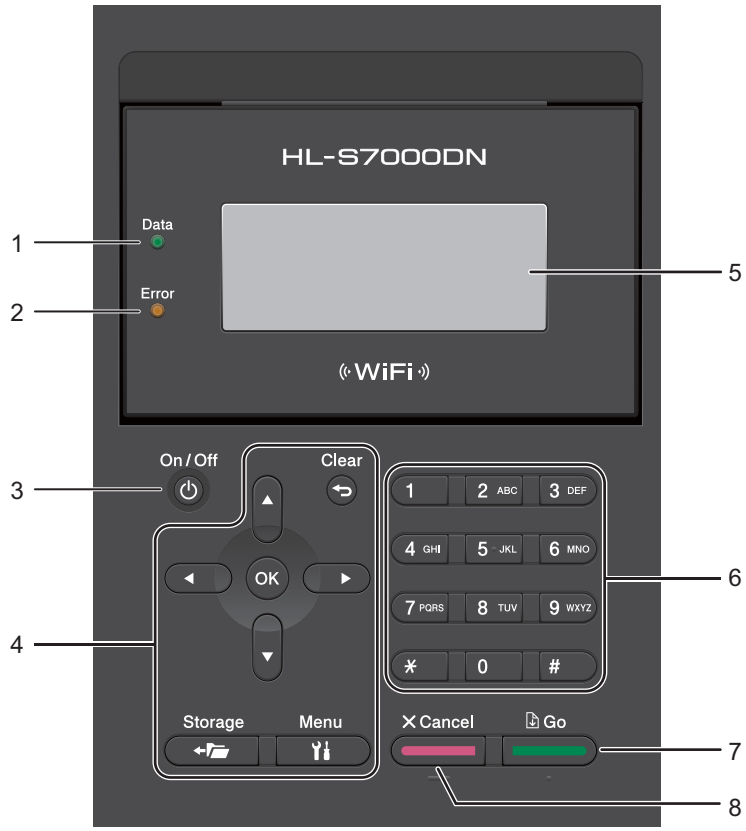
Software for networks

For information about network utility software ➤➤ Network User's Guide: *Network features*

3 General Information

Control panel

Control panel overview



1 Data LED

The LED will blink depending on the machine status. (For details, see *LED indications* ➤➤ page 75.)

2 Error LED

This LED blinks orange when the LCD displays an error or shows an important status message. (For details, see *LED indications* ➤➤ page 75.)

3 On/Off

You can turn the machine on by pressing the **On/Off** button.

Or you can turn the machine off by pressing and holding down the **On/Off** button.

If you turn the machine off, it will still periodically clean the print head to maintain print quality. To prolong print head life, provide the best ink cartridge economy, and maintain print quality, you should keep your machine connected to the power at all times.

4 Menu Keys:

Clear

Press to delete characters or to go back to the previous menu level.

Storage

Lets you print data that is stored in the machine's memory.

Menu

Lets you access the Menu to program your settings in the machine.

OK

Lets you store your settings in the machine.

◀ or ▶

Press to scroll backwards or forwards through menu selections.

▲ or ▼

Press to scroll through the menus and options.

5 LCD

Displays messages to help you set up and use your machine.

Lets you see the available ink volume.

A four level indicator shows the current wireless signal strength if you are using a wireless connection.



0 Max

6 Numeric keys

Use these keys when entering information into the machine.

7 Go

You can clear some error messages by pressing **Go**. To clear all other errors follow the control panel instructions or see *Error and maintenance messages* ➤➤ page 112.

Pause and continue printing.

Lets you print any data remaining in the machine's memory.

Lets you choose the displayed option in the last menu level. After changing a setting, the machine returns to Ready mode.

8 Cancel

Lets you cancel the current setting.

Cancels a programmed print job and clears it from the machine's memory. To cancel multiple print jobs, hold down this key until the LCD shows `Job Cancel (All)`.

LED indications

The LEDs are lights that show the machine's status.

Data LED (Green)

LED indication	Meaning
On	Data is in the machine's memory.
Blinking	The machine is receiving or processing data.
Off	There is no remaining data in the memory.

Error LED (Orange)

LED indication	Meaning
Blinking	There is a problem with the machine.
Off	There is no problem with the machine.

Output Paper Stopper LED

LED indication	Meaning
On (Green)	Data is in the machine's memory.
Blinking (Green)	The machine is receiving or processing data.
Blinking (Orange)	There is a problem with the machine.
Off	There is no remaining data in the memory.

Machine status messages

The following table shows the machine status messages during normal operation:

Machine Status Message	Meaning
Cooling Down	The machine is cooling down.
Job Cancel (All) Cancel Printing	The machine is canceling the job.
Ignore Data	The machine is ignoring data processed using the PS driver.
Pause	The machine has suspended its operations. Press **Go** to start the machine again.
Please Wait	The machine is starting. The machine is carrying out the calibration process.
Printing	The machine is printing.
Ready	The machine is ready to print.
Sleep	In Sleep mode (power save mode) the machine acts as though it were turned off, but the machine can still receive data. Receiving a print job will automatically wake up the machine to start printing.
Deep Sleep [1]	In Deep Sleep mode (reducing more power consumption than Sleep mode), the machine acts as though it were turned off. If the machine does not receive data for a certain length of time while it is in Sleep mode, it enters Deep Sleep mode automatically.

[1] When the Wireless Network is enabled or an optional card reader is connected, the machine does not transfer to Deep Sleep mode. If you want to disable the Wireless Network, change the setting of WLAN Enable to Off. (See *Network Menu* ➤➤ page 84.)

Menu table

How to access the menu mode

1. Press **Menu**.
2. Scroll through each menu level by pressing ▲ or ▼ for the direction you want.
3. Press **OK** when the option you want appears on the LCD. The LCD will then show the next menu level.
4. Press ▲ or ▼ to scroll to your next menu selection.
5. Press **OK** or **Go**.
 When you have finished setting an option, the LCD will show `Accepted`.
6. Press **Cancel** to return to Ready mode.

Menu table

There are seven menus. For more information about the selections available in each menu, see the following tables.

If no control panel operations are performed for 30 seconds, the LCD automatically returns to Ready.

Note

The control panel LCD names for the paper trays are as follows:

- Standard paper tray: `Tray1` and `T1`
- Multi-purpose tray: `MP`
- Optional lower trays: `Tray2` / `T2`, `Tray3` / `T3` and `Tray4` / `T4`

Machine Info.

Submenu	Menu Selections	Options	Descriptions
`Print Settings`	-	-	Prints the Printer Settings page.
`Print NetSetting`	-	-	Prints the Network Configuration Report.
`Print WLANReport`	-	-	Prints the result of wireless LAN connectivity diagnosis.
`Print File List`	-	-	Prints a list of data saved in the memory.
`Test Print`	-	-	Prints the test page.
`Print Font`	`HP LaserJet`	-	Prints the font list and samples of HP LaserJet.
	`BR-Script 3`	-	Prints the font list and samples of BR-Script3.
`Serial No.`	-	-	Shows the machine's serial number.
`Version`	`Main Version`	-	Shows the main firmware version.
	`Sub Version`	-	Shows the sub firmware version.
	`Engine Version`	-	Shows the machine's engine version.
	`RAM Size`	-	Shows the size of memory in the machine.
`Page Count`	-	-	Shows the current total printed pages.

Machine Info. (continued)

Submenu	Menu Selections	Options	Descriptions
Parts Life	PF Kit MP Life	-	Shows the remaining life for the PF kit MP.
	PF Kit 1 Life	-	Shows the remaining life for the PF kit 1.
	PF Kit 2 Life [1]	-	Shows the remaining life for the PF kit 2.
	PF Kit 3 Life [1]	-	Shows the remaining life for the PF kit 3.
	PF Kit 4 Life [1]	-	Shows the remaining life for the PF kit 4.
	Waste Tank	-	Shows the remaining life for the waste ink tank.
Reset Parts Life	PF Kit MP	-	Resets the PF kit MP Life counter.
	PF Kit 1	-	Resets the PF kit 1 Life counter.
	PF Kit 2 [1]	-	Resets the PF kit 2 Life counter.
	PF Kit 3 [1]	-	Resets the PF kit 3 Life counter.
	PF Kit 4 [1]	-	Resets the PF kit 4 Life counter.

[1] When optional lower trays are installed.

Maintenance

Submenu	Menu Selections	Options	Descriptions
Cleaning Wizard	-	-	Cleans the machine's print head.
AdvancedCleaning	-	-	Cleans the print head more thoroughly than Cleaning Wizard.
Test Print	-	-	Prints a test page.

Paper Tray

Submenu	Options	Descriptions
Tray Use	**Auto*** / MP Only / Tray1 Only / Tray2 Only [1] / Tray3 Only [1] / Tray4 Only [1]	Chooses the tray that will be used.
Manual Feed	On / **Off***	Chooses whether to feed paper manually.
Priority	(When no optional lower trays are installed) **MP>T1*** / T1>MP (When Tray 2 is installed) **MP>T1>T2*** / MP>T2>T1 / T1>T2>MP / T2>T1>MP / MP>T1 / T1>MP (When Tray 2 and Tray 3 are installed) **MP>T1>T2>T3*** / MP>T3>T2>T1 / T1>T2>T3>MP / T3>T2>T1>MP / MP>T1>T2 / MP>T2>T1 / T1>T2>MP / T2>T1>MP (When Tray 2, Tray 3 and Tray 4 are installed) **MP>T1>T2>T3>T4*** / MP>T4>T3>T2>T1 / T1>T2>T3>T4>MP / T4>T3>T2>T1>MP / MP>T1>T2>T3 / MP>T3>T2>T1 / T1>T2>T3>MP / T3>T2>T1>MP	When Auto is chosen in Tray Use: Chooses the order in which the machine uses the paper trays that contain paper of the same size.
Separator Tray [1]	**Off*** / Tray 2 / Tray 3 / Tray 4	Chooses the tray that contains the paper used as the separator paper, which will be inserted between each print job.
MP First	On / **Off***	Chooses whether to feed paper from the MP tray as a priority.
Duplex	On(Long Bind) / On(Short Bind) / **Off***	Chooses whether to automatically print on both sides of the paper.
Output Tray [2]	**Auto*** / Standard / Optional	Chooses the destination output paper tray.
MP Size	**Any*** / Letter / Legal / A4 / Executive / JIS B5 / B5 / A5 / A5 L / JIS B6 / A6 / Folio / 3X5 / User Defined	Chooses the size of paper you put in the MP tray.
Tray1 Size	**Any*** / Letter / Legal / A4 / Executive / JIS B5 / A5 / A5 L / Folio	Chooses the size of paper you loaded in the standard paper tray.
Tray2 Size [1]	**Any*** / Letter / Legal / A4 / Executive / JIS B5 / A5 / Folio	Chooses the size of paper you loaded in this optional lower tray.
The factory settings are shown in Bold with an asterisk.		

Paper Tray (continued)

Submenu	Options	Descriptions
Tray3 Size [1]	**Any*** / Letter / Legal / A4 / Executive / JIS B5 / A5 / Folio	Chooses the size of paper you loaded in this optional lower tray.
Tray4 Size [1]	**Any*** / Letter / Legal / A4 / Executive / JIS B5 / A5 / Folio	Chooses the size of paper you loaded in this optional lower tray.
The factory settings are shown in Bold with an asterisk.		

[1] When optional lower trays are installed.

[2] When the optional output tray is installed.

General Setup

Submenu	Menu Selections	Options	Descriptions
Local Language	-	**English*** / Français...	Changes the LCD language for your country.
Density	-	-6 / ... / -1 / **0*** / 1 / ... / 6	Increases or Decreases the print density. Increasing the print density will darken the printed image. When you choose Duplex or Booklet and increase print density, print speed will decrease accordingly.
Ecology	Sleep Time	0 / 1 / 2 / **3*** / 4 / 5 / ... Min	Sets the time to return to Power Save mode.
	Ink Save	On / **Off***	Increases the page yield of the ink cartridge.
Beeper	-	Low / Med / High / **Off***	Adjusts the beeper volume.
Panel Control	Button Repeat	**0.1Sec*** / 0.4Sec / 0.6Sec / 0.8Sec / 1.0Sec / 1.4Sec / 1.8Sec / 2.0Sec	Sets the time for the LCD message to change when holding ▲ or ▼ at intervals.
	Message Scroll	**Level1*** / Level2 / ... / Level10	Sets the time in seconds that an LCD message will scroll across the LCD. From Level 1=0.2 sec to Level 10=2.0 sec.
	LCD Contrast	-□□■□□+	Adjusts the contrast of the LCD.
	Auto Online	**On*** / Off	Sets the machine to automatically return to Ready mode.
Stopper LED	-	**On*** / Off	Chooses whether the output paper stopper lights according to the machine status. This item is available when the stopper is set at its default Letter/A4 position.
The factory settings are shown in Bold with an asterisk.			

General Setup (continued)

Submenu	Menu Selections	Options	Descriptions
Setting Lock	-	-	Turns the lock panel settings On or Off when you use the password.
Interface	Select	**Auto*** / USB / Network	Chooses the interface you use. If you choose Auto, the machine automatically changes the interface to USB or Ethernet depending on which interface is receiving data.
	Auto IF Time	1 / 2 / 3 / 4 / **5*** / ... / 99Sec	You need to set the time-out period for the auto interface selection.
	Input Buffer	Level1 / 2 / 3 / **4*** / ... / 7	Increases or decreases the input buffer capacity.
Macro/Font	Delete Macro	-	Deletes the data from the memory.
	Delete Font	-	
Date&Time	Date&Time	-	Sets the date and time in your machine.
	Auto Daylight	On / **Off***	Changes for Daylight Saving Time automatically.
	Time Zone	-	Sets the time zone for your country.
The factory settings are shown in Bold with an asterisk.			

Print Menu

Submenu	Menu Selections	Options	Descriptions
Emulation	-	**Auto*** / HP LaserJet / BR-Script 3	Chooses the emulation mode you use.
Auto Continue	-	On / **Off***	If this setting is enabled the machine will automatically clear a paper size error, and will use any compatible paper from other paper trays.
Media Type	-	**Plain Paper*** / Thick Paper / Thin Paper / Recycled Paper / Bond Paper	Sets the type of paper.
Paper	-	**Letter*** / Legal / A4 / Executive / JIS B5 / B5 / A5 / A5 L / JIS B6 / A6 / Folio	Sets the size of paper.
Copies	-	**1*** / 2 / ... / 999	Sets the number of printed pages.
Orientation	-	**Portrait*** / Landscape	This machine can print pages in portrait or landscape orientation.
The factory settings are shown in Bold with an asterisk.			

Print Menu (continued)

Submenu	Menu Selections	Options	Descriptions
Print Position	X Offset	-500 / -499 / ... / -1 / **0*** / 1 / ... / 499 / 500Dots	Moves the print start position (at the top-left corner of pages) horizontally up to -500 (left) to +500 (right) dots in 300 dpi.
	Y Offset	-500 / -499 / ... / -1 / **0*** / 1 / ... / 499 / 500Dots	Moves the print start position (at the top-left corner of pages) vertically up to -500 (up) to +500 (down) dots in 300 dpi.
Auto FF	-	On / **Off***	Allows you to print the remaining data without pressing **Go**.
HP LaserJet	Font No.	I000 / ... / **I059*** / ... / I071	Sets the font number.
	Font Pitch	0.44 / ... / **10.00*** / ... / 99.99	Sets the font pitch. Font Pitch menu will appear when you choose I059 to I071 in the Font No. setting.
	Font Point	4.00 / ... / **12.00*** / ... / 999.75	Sets the font size. Font Point menu will appear when you choose I000 to I058 in the Font No. setting.
	Symbol Set	**PC-8*** / PC-8 D/N / ...	Sets the symbol set or the character set.
	Table Print	-	Prints the code table. If Change Emulation appears on the LCD, choose Auto or HP LaserJet in Emulation of the Print Menu. (See page 81.)
	Auto LF	On / **Off***	ON: CR → CR+LF, OFF: CR → CR
	Auto CR	On / **Off***	ON: LF → LF+CR, FF → FF+CR, or VT → VT+CR OFF: LF → LF, FF → FF, or VT → VT
	Auto WRAP	On / **Off***	Chooses whether a line feed and carriage return will happen when the machine reaches the right margin.
	Auto SKIP	**On*** / Off	Chooses whether a line feed and carriage return will happen when the machine position reaches the bottom margin.
	Left Margin	##	Sets the left margin at column 0 to 70 columns at 1 cpi. The default setting is 0 cpi.

The factory settings are shown in Bold with an asterisk.

Print Menu (continued)

Submenu	Menu Selections	Options	Descriptions
HP LaserJet (Continued)	Right Margin	##	Sets the right margin at column 10 to 80 columns at 1 cpi. The default setting is 80 cpi (Letter).
	Top Margin	#.##	Sets the top margin at a distance from the top edge of the paper: 0, 0.33, 0.5, 1.0, 1.5 or 2.0 inches (0, 8.4, 12.7, 25.4, 38.1 or 50.8 mm). The default setting is 0.5 inches (12.7 mm).
	Bottom Margin	#.##	Sets the bottom margin at a distance from the bottom edge of the paper: 0, 0.33, 0.5, 1.0, 1.5 or 2.0 inches (0, 8.4, 12.7, 25.4, 38.1 or 50.8 mm). The default setting is 0.5 inches (12.7 mm).
	Lines	###	Sets the number of lines on each page from 5 to 128 lines. The default setting is 60 lines (Letter).
BR-Script 3	Error Print	**On*** / Off	Chooses whether to automatically print the error information when errors occur.
The factory settings are shown in Bold with an asterisk.			

Network Menu

Submenu 1	Submenu 2	Menu Selections	Options	Descriptions
Wired LAN	TCP/IP	Boot Method	**Auto*** / Static / RARP / BOOTP / DHCP	Chooses the IP method that best suits your needs.
		IP Address	###.###.###.### **(000.000.000.000)*** [1]	Enter the IP address.
		Subnet Mask	###.###.###.### **(000.000.000.000)*** [1]	Enter the Subnet mask.
		Gateway	###.###.###.### **(000.000.000.000)*** [1]	Enter the Gateway address.
		Node Name	BRNXXXXXXXXXXXX	Enter the Node name.
		WINS Config	**Auto*** / Static	Chooses the WINS configuration mode.
		WINS Server	(Primary) 000.000.000.000 (Secondary) 000.000.000.000	Specifies the IP address of the primary or secondary WINS server.
		DNS Server	(Primary) 000.000.000.000 (Secondary) 000.000.000.000	Specifies the IP address of the primary or secondary DNS server.
		IP Boot Tries	0 / 1 / 2 / **3*** / ... / 32767	Specifies the number of attempts the machine will try to obtain an IP address when the Boot Method is set to any setting except Static.
		APIPA	**On*** / Off	Automatically allocates the IP address from the link-local address range. [1]
		IPv6	On / **Off***	Sets use of IPv6 protocol.
	Ethernet	-	**Auto*** / 100B-FD / 100B-HD / 10B-FD / 10B-HD	Chooses Ethernet link mode.
	Wired Status	-	Active 1000B-FD / Active 100B-FD / Active 100B-HD / Active 10B-FD / Active 10B-HD / Inactive / Wired OFF	Shows the Ethernet link status.
	MAC Address	-	-	Shows MAC address of the machine.
	Set to Default	Restores wired network settings of the internal print server to the factory default.		
	Wired Enable	-	**On*** / Off	Chooses Ethernet link mode.

The factory settings are shown in Bold with an asterisk.

Network Menu (continued)

Submenu 1	Submenu 2	Menu Selections	Options	Descriptions
WLAN	TCP/IP	Boot Method	**Auto*** / Static / RARP / BOOTP / DHCP	Chooses the IP method that best suits your needs.
		IP Address	###.###.###.### **(000.000.000.000)*** [1]	Enter the IP address.
		Subnet Mask	###.###.###.### **(000.000.000.000)*** [1]	Enter the Subnet mask.
		Gateway	###.###.###.### **(000.000.000.000)*** [1]	Enter the Gateway address.
		Node Name	BRWXXXXXXXXXXX	Enter the Node name.
		WINS Config	**Auto*** / Static	Chooses the WINS configuration mode.
		WINS Server	(Primary) 000.000.000.000 (Secondary) 000.000.000.000	Specifies the IP address of the primary or secondary WINS server.
		DNS Server	(Primary) 000.000.000.000 (Secondary) 000.000.000.000	Specifies the IP address of the primary or secondary DNS server.
		IP Boot Tries	0 / 1 / 2 / **3*** / ... / 32767	Specifies the number of attempts the machine will try to obtain an IP address when the Boot Method is set to any setting except Static.
		APIPA	**On*** / Off	Automatically allocates the IP address from the link-local address range. [1]
		IPv6	On / **Off***	Enables or Disables the IPv6 protocol.
	Setup Wizard	-	-	Configures the wireless network settings using the setup wizard.
	WPS/AOSS	-	-	Configures the wireless network settings using WPS or AOSS™ method.
	WPS w/PIN Code	-	-	Configures the wireless network settings using WPS with a PIN code.

The factory settings are shown in Bold with an asterisk.

Network Menu (continued)

Submenu 1	Submenu 2	Menu Selections	Options	Descriptions
WLAN (Continued)	WLAN Status (Appears only when WLAN Enable is On and Wired Enable is Off.)	Status	Active(11n) / Active(11b) / Active(11g) / Wired LAN Active / WLAN OFF / AOSS Active / Connection Fail	Shows the wireless Ethernet link status.
		Signal	Strong / Medium / Weak / None	Shows the signal condition.
		Channel	-	Shows the channel in use when Status is Active.
		Speed	-	Shows the connecting speed when Status is Active.
		SSID	-	Shows SSID [uses a maximum of 32 digits and characters 0-9, a-z and A-Z in ASCII values]
		Comm. Mode	Ad-hoc / Infrastructure	Shows the current Communication Mode.
	MAC Address	-	-	Shows the MAC address of the machine.
	Set to Default	Restores the wireless network settings of the internal print server to the factory default.		
	WLAN Enable	-	On / **Off***	Turns the wireless interface on or off.
Security	IPsec	-	On / **Off***	IPsec is an optional security feature of the IP protocol that provides authentication and encryption services. We recommend that you contact your network administrator before changing this setting.
Network Reset	Restores all network settings of the internal print server to the factory default.			
The factory settings are shown in Bold with an asterisk.				

[1] ### means a number within the range of 000 to 255. On connection to the network, if the machine's 'Boot Method' is 'Auto' the machine will attempt to automatically set the IP address and Subnet Mask from a boot server such as DHCP or BOOTP. If a boot server cannot be found, an APIPA IP address will be allocated, such as 169. 254. [001-254]. [000-255]. If the 'Boot Method' of the machine is set to 'Static' you will need to manually enter an IP address from the machine's control panel.

Reset Menu

Display Shows	Description
Network	Restores all network settings of the internal print server to the factory default.
Factory Reset	Resets the machine and restores the printer settings (including command settings) to the factory default settings.

Entering text

When setting certain menu selections, you will need to type text characters. The Numeric keys have letters printed on them. The keys: **0**, **#** and ✳ do not have printed letters because they are used for special characters.

Press the appropriate Numeric key the number of times shown in this reference table to access the character you want.

Press Key	one time	two times	three times	four times	five times	six times	seven times	eight times	nine times
1	@	.	/	1	@	.	/	1	@
2	a	b	c	A	B	C	2	a	b
3	d	e	f	D	E	F	3	d	e
4	g	h	i	G	H	I	4	g	h
5	j	k	l	J	K	L	5	j	k
6	m	n	o	M	N	O	6	m	n
7	p	q	r	s	P	Q	R	S	7
8	t	u	v	T	U	V	8	t	u
9	w	x	y	z	W	X	Y	Z	9

Inserting spaces

To enter a space in a name, press ▶ twice between characters.

Making corrections

If you entered a character incorrectly and want to change it, press ◀ or ▶ to move the cursor to the incorrect character, and then press **Clear**.

Repeating letters

To enter another character using the same key as the previous character, press ▶ to move the cursor right before pressing the key again.

Special characters and symbols

Press ✳, **#** or **0**, then press ◀ or ▶ to move the cursor to the symbol or character you want. Press **OK** to choose it. The symbols and characters below will appear depending on your menu selection.

Press ✳	for	(space) ! " # $ % & ’ () ✳ + , - . /
Press **#**	for	: ; < = > ? @ [] ^ _
Press **0**	for	0 ¥ { \| } ~

Printing storage data

Storage data

Storage Print allows you to save print jobs to the machine and print them later. The machine will not print the document when you send it for printing. To print the document, you must use the control panel of the machine.

When the area to spool data is full, the LCD shows `Storage Full`. Press **Cancel** or **Go** to return to Ready mode.

If you want to delete the spooled data, you can carry out this operation using the control panel.

Note

- For more information about the settings in the printer driver and how to store the print job in the machine, see *Storage Print tab* ➤➤ page 39 (for Windows® printer driver), *Printing Preferences* ➤➤ page 46 (for Windows® BR-Script3 printer driver), *Storage Print* ➤➤ page 60 (for Macintosh printer driver) or *Secure Print* ➤➤ page 68 (for Macintosh BR-Script3 printer driver).
- If the optional card reader is connected to the machine, you can use card authentication to print storage data. Because you can use your cards to access only your personal storage data, card authentication is effective at preventing unauthorized access to your storage data.

 For details about the card reader and card authentication, please refer to the Card Reader Operation Guide located on the **Manuals** page for your model on the Brother Solutions Center web site at http://solutions.brother.com/.

How to print storage data

1. Press **Storage**.

Note

If you set card authentication to On, a list of the public print jobs will be displayed. Go to step ❸.

2. Press ▲ or ▼ to choose `Public` or user name. Press **OK**.
3. Press ▲ or ▼ to choose the job. Press **OK**.
4. (Only when you chose personal secured data)
 Enter your password. Press **OK**.
5. Press ▲ or ▼ to choose `Print` or `Print&Delete`. Press **OK**.
 `Print&Delete` is only displayed when you chose personal data. Data will be deleted after it is printed.
6. (Only when you chose `Print&Delete` in step ❺)
 Press ▲ or ▼ to choose `Yes`. Press **OK**.
7. Enter the number of copies. Press **OK**.

How to delete storage data

1. Press **Storage**.

Note

If you set card authentication to On, a list of the public print jobs will be displayed. Go to step ❸.

2. Press ▲ or ▼ to choose `Public` or user name. Press **OK**.
3. Press ▲ or ▼ to choose the job. Press **OK**.
4. (Only when you chose personal secured data)
 Enter your password. Press **OK**.
5. Press ▲ or ▼ to choose `Delete`. Press **OK**.
6. Press ▲ or ▼ to choose `Yes`. Press **OK**.
 The LCD will show `Deleted`, and then the machine will return to Ready mode.

Security features

Secure Function Lock 2.0

Secure Function Lock lets you restrict Public access to the Print function [1].

Before using the security features you must first enter an administrator password. Access to restricted operations can be enabled by creating a restricted user. Secure Function Lock can be set manually by using Web Based Management or BRAdmin Professional 3 (Windows® only). (➤➤ Network User's Guide)

[1] Print function includes print jobs via Brother iPrint&Scan.

Note

- Make a careful note of your password. If you forget it, you will have to reset the password stored in the machine. For information about how to reset the password call Brother Customer Service.
- Only administrators can set limitations and make changes for each user.

Card authentication

If the optional card reader is connected to the machine, you can use card authentication to print storage data. Because the user's identity is confirmed simply by touching the card to the card reader, the user can access their storage data directly. In addition, because others cannot access the storage data, card authentication is effective at preventing unauthorized access to the personal storage data.

For details about the card reader and card authentication, please refer to the Card Reader Operation Guide located on the **Manuals** page for your model on the Brother Solutions Center web site at http://solutions.brother.com/.

Setting Lock

Setting Lock lets you set a password to stop other people from accidentally changing your machine's settings. Make a careful note of your password. If you forget it, you will have to reset the passwords stored in the machine. Please call your administrator or your Brother dealer.

While Setting Lock is `On`, you cannot change the following settings without a password:

- Maintenance (except Test Print)
- Paper Tray
- General Setup
- Print Menu (except Table Print)
- Network (the Mac address and status information can be displayed)

Setting up the password

1. Press **Menu**.
2. Press ▲ or ▼ to choose `General Setup`. Press **OK**.
3. Press ▲ or ▼ to choose `Setting Lock`. Press **OK**.
4. Enter a four-digit number for the password using numbers 0-9. Press **OK**.
5. Re-enter the password when the LCD shows `Verify:`. Press **OK**.
6. Press **Cancel** to return to Ready mode.

Changing your Setting Lock password

Turn Setting Lock off before you change the password. (See *Turning Setting Lock on/off* ➤➤ page 91.)

1. Press **Menu**.
2. Press ▲ or ▼ to choose `General Setup`. Press **OK**.
3. Press ▲ or ▼ to choose `Setting Lock`. Press **OK**.
4. Press ▲ or ▼ to choose `Set Password`. Press **OK**.
5. Enter the registered four-digit password. Press **OK**.
6. Enter a four-digit number for the new password. Press **OK**.
7. Re-enter the password when the LCD shows `Verify:`. Press **OK**.
8. Press **Cancel** to return to Ready mode.

Turning Setting Lock on/off

If you enter the wrong password when following the instructions below, the LCD will show `Wrong Password`. Re-enter the correct password.

Turning Setting Lock on

1. Press **Menu**.
2. Press ▲ or ▼ to choose `General Setup`. Press **OK**.
3. Press ▲ or ▼ to choose `Setting Lock`. Press **OK**.
4. Press **OK** when the LCD shows `On`.
5. Enter the registered four-digit password. Press **OK**.
6. Press **Cancel** to return to Ready mode.

Turning Setting Lock off

1. Press **Menu**.
2. Press ▲ or ▼ to choose `General Setup`. Press **OK**.
3. Press ▲ or ▼ to choose `Setting Lock`. Press **OK**.
4. Enter the registered four-digit password. Press **OK**.
5. Press **OK** when the LCD shows `Off`.
6. Press **Cancel** to return to Ready mode.

Automatic Daylight Saving Time

You can set the machine to change automatically for Daylight Saving Time. It will set itself forward one hour in the Spring, and back one hour in the Fall. Make sure you have set the correct date and time in the `Date&Time` setting.

1. Press **Menu**.
2. Press ▲ or ▼ to choose `General Setup`. Press **OK**.
3. Press ▲ or ▼ to choose `Date&Time`. Press **OK**.
4. Press ▲ or ▼ to choose `Auto Daylight`. Press **OK**.
5. Press ▲ or ▼ to choose `On` or `Off`. Press **OK**.
6. Press **Cancel** to return to Ready mode.

Ecology features

Ink Save

You can save ink using this feature. When you set Ink Save to `On`, printed items appear lighter. The default setting is `Off`.

1. Press **Menu**.
2. Press ▲ or ▼ to choose `General Setup`. Press **OK**.
3. Press ▲ or ▼ to choose `Ecology`. Press **OK**.
4. Press ▲ or ▼ to choose `Ink Save`. Press **OK**.
5. Press ▲ or ▼ to choose `On` or `Off`. Press **OK**.
6. Press **Cancel** to return to Ready mode.

Sleep Time

The Sleep mode setting can reduce power consumption. When the machine is in Sleep Mode (Power Save mode) it acts as though it were turned off. The machine will wake up and start printing when it receives a print job.

You can choose how long the machine must be idle before it goes into Sleep mode. When the machine receives a print file or document, the timer will be reset. The default setting is 3 minutes. While the machine is in Sleep mode the LCD will show `Sleep`.

1. Press **Menu**.
2. Press ▲ or ▼ to choose `General Setup`. Press **OK**.
3. Press ▲ or ▼ to choose `Ecology`. Press **OK**.
4. Press ▲ or ▼ to choose `Sleep Time`. Press **OK**.
5. Enter the length of time the machine will remain idle before entering Sleep mode. Press **OK**.
6. Press **Cancel** to return to Ready mode.

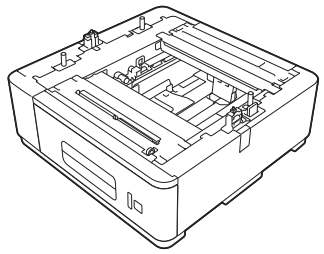
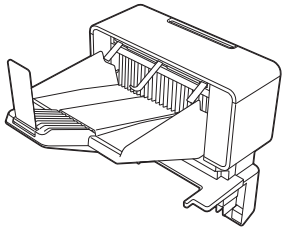
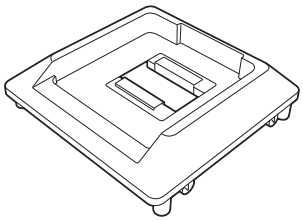
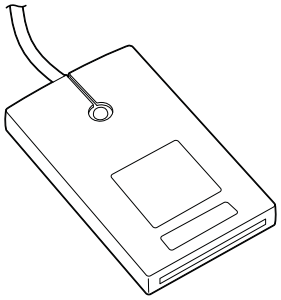
Deep Sleep mode

If the machine is in Sleep mode and does not receive any jobs for a certain length of time, the machine will go into Deep Sleep mode automatically and the LCD will show `Deep Sleep`. Deep Sleep mode uses less power than Sleep Mode. The machine will wake up, when the machine receives a print job.

If a wireless network is enabled or an optional card reader is connected, the machine will not enter Deep Sleep mode.
To disable the wireless network ➤➤ Network User's Guide: *Control panel setup*

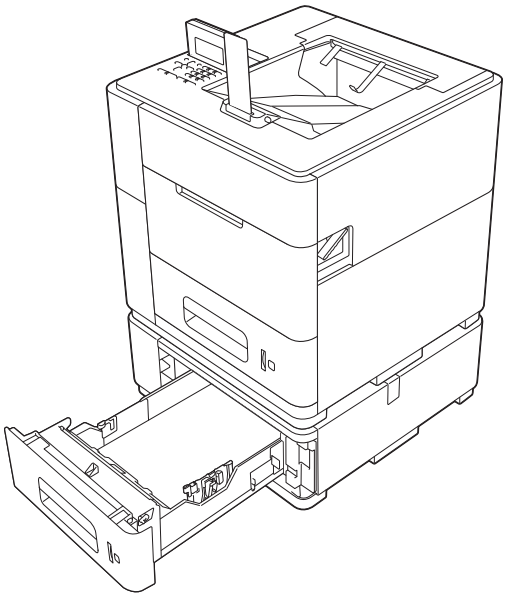
4 Options

This machine has the following optional accessories. You can increase the capabilities of the machine with these items.

Lower tray	**Output tray**	**Optional stabilizer**	**Card reader**
LT-7100	MX-7100	SB-7100	
			
See *Lower tray (LT-7100)* ➤➤ page 94.	See *Output tray (MX-7100)* ➤➤ page 95.	See *Optional stabilizer (SB-7100)* ➤➤ page 96.	See *Card reader* ➤➤ page 96.

Lower tray (LT-7100)

Three optional lower trays (Tray 2, Tray 3 and Tray 4) can be installed. Each lower tray can hold up to 500 sheets of 20 lb (80 g/m^2) paper. If you want to buy the optional lower tray unit, call the dealer you bought the machine from or Brother Customer Service.



For setup of the lower tray unit, be sure to refer to the User's Guide that is supplied with the tray.

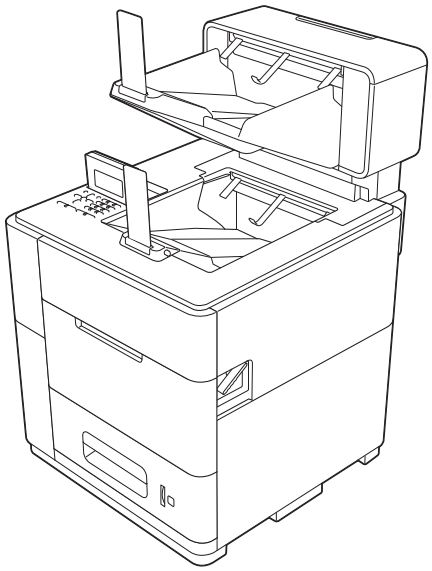
Important

When you install two or more optional lower trays, you must install the optional stabilizer.

If you want to print from the optional lower trays, choose **Tray2**, **Tray3** or **Tray4** using the **Paper Source** setting in the printer driver. For Windows® printer driver, you previously need to add the optional lower trays to the printer driver. See *Accessories tab* ➤➤ page 44.

Output tray (MX-7100)

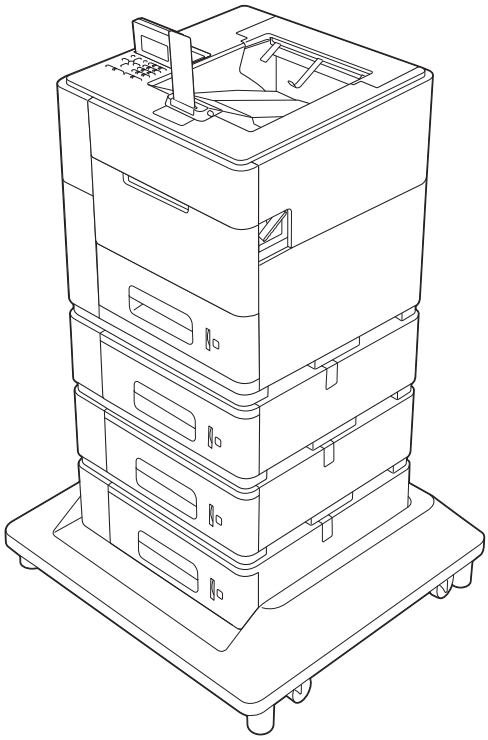
One optional output tray can be installed. This tray can hold up to 500 sheets of 20 lb (80 g/m^2) paper.



For setup of the optional output tray, be sure to refer to the User's Guide that is supplied with the tray.

Optional stabilizer (SB-7100)

When you install two or more optional lower trays, you must install the optional stabilizer.



For setup of the optional stabilizer, be sure to refer to the User's Guide that is supplied with the stabilizer.

Card reader

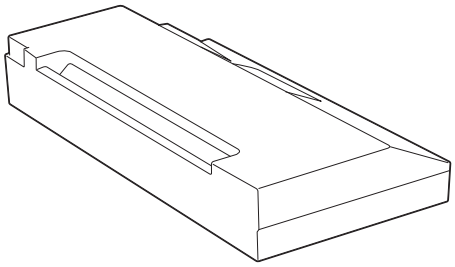
You can use the machine's USB port to connect a card reader to the machine. If the card reader is connected to the machine, you can use card authentication to print storage data. Because the user's identity is confirmed simply by touching the card to the card reader, the user can access their storage data directly. In addition, because others cannot access the storage data, card authentication is effective at preventing unauthorized access to the personal storage data.

For details about the card reader and card authentication, please refer to the Card Reader Operation Guide located on the **Manuals** page for your model on the Brother Solutions Center web site at http://solutions.brother.com/.

5 Routine Maintenance

Replacing the ink cartridge

You will need to replace the ink cartridge when the machine indicates that the life of the consumable is over.

Ink cartridge
See *Replacing the ink cartridge* ➤➤ page 98. Order No. HC-05BK


You will need to replace the ink cartridge when the following message is displayed on the LCD.

LCD message	Consumable item to replace	Order No.	Approximate life	How to replace
Insufficient Ink	Ink cartridge	HC-05BK	30,000 pages [1] [2]	See page 99

[1] Letter or A4 size single-sided pages.

[2] Estimated Cartridge Yield is declared in accordance with ISO/IEC 24711 test in continuous printing methodology, using monochrome test page defined in ISO/IEC 19752.

Note

- Go to http://www.brother.com/original/index.html for instructions on how to return your used consumable items to the Brother collection program. If you choose not to return your used consumable, please discard the used consumable according to local regulations, keeping it separate from domestic waste. If you have questions, call your local waste disposal office.
- If you use paper that is not a direct equivalent for the recommended paper, the life of consumable items and machine parts may be reduced.
- The projected life of each ink cartridge is based on ISO/IEC 24711. Frequency of replacement will vary depending on the complexity of printed pages, percentage of coverage and type of media used.

Replacing the ink cartridge

Order No. HC-05BK

The replacement ink cartridge can print approximately 30,000 pages [1]. Actual page count will vary depending on your average type of document. When an ink cartridge is running low, the LCD shows `Ink Low`.

The ink cartridge that comes supplied with the machine will need to be replaced after approximately 10,000 pages.

[1] Estimated Cartridge Yield is declared in accordance with ISO/IEC 24711 test in continuous printing methodology, using monochrome test page defined in ISO/IEC 19752.

Note

- It is a good idea to keep a new ink cartridge ready for use when you see the `Ink Low` warning.
- To ensure high quality printing, we recommend that you use only Genuine Brother Brand ink cartridges.
- If you print graphics, bold text, charts, Web pages with borders, or other types of printouts that consist of more than simple text, the amount of ink used will increase.
- If you change the print density setting for lighter or darker printing, the amount of ink used will change.
- Wait to unpack the ink cartridge until immediately before you put it into the machine.

Ink Low

If the LCD shows `Ink Low`, the machine has nearly run out of ink. Buy a new ink cartridge and have it ready before you get a `Insufficient Ink` message.

Replace Ink

When the LCD shows `Insufficient Ink`, you need to replace the ink cartridge.

The machine will not print until you replace the ink cartridge.

A new or unused genuine Brother ink cartridge will reset the Replace Ink mode.

Even though the machine tells you to replace an ink cartridge, there will be a small amount of ink left in the ink cartridge. The printer's ink cartridge uses both Black ink and Pre-coat to ensure print quality. Therefore if either the Black ink or the Pre-coat runs out, the cartridge can no longer be used and the printer cannot print, even if there is some of the other ink remaining in the cartridge.

⚠ CAUTION

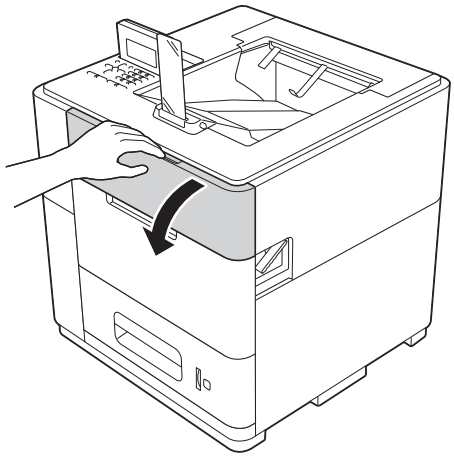
If ink gets in your eyes, wash it out with water at once and call a doctor if you are concerned.

Important

- DO NOT take out the ink cartridge if you do not need to replace it. If you do so, the ink quantity may be reduced due to the maintenance to maintain good print quality.
- DO NOT touch the inside of the opening in the machine for the ink cartridge. If you do so, the ink may stain your skin.
- If ink gets on your skin or clothing immediately wash it off with soap or detergent.
- Once you open an ink cartridge, install it in the machine and use it up within six months of installation. Use unopened ink cartridges by the expiration date written on the cartridge package.
- DO NOT dismantle or tamper with the ink cartridge; this can cause the ink to leak out of the cartridge.

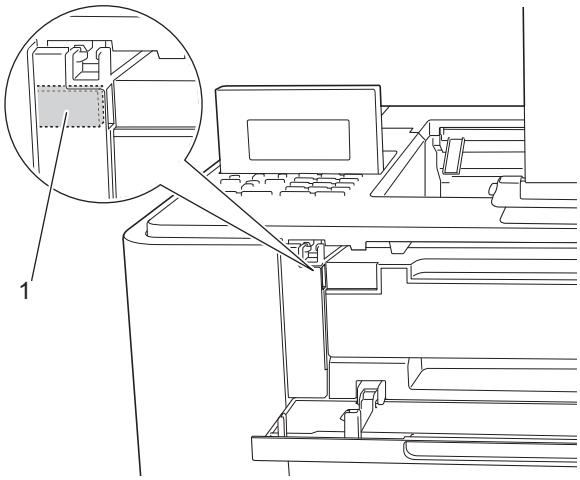
Replacing the ink cartridge

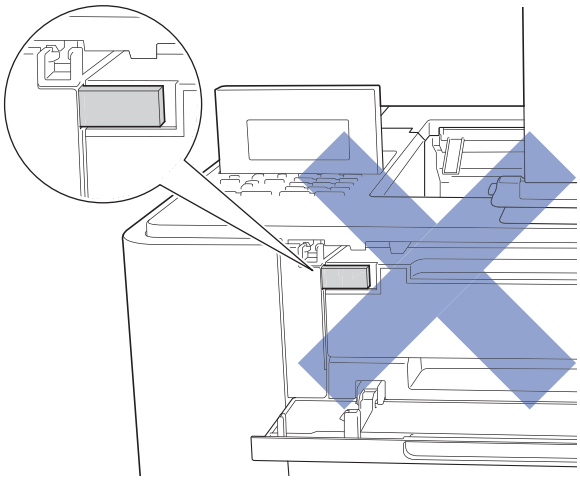
1. Make sure that the machine is turned on.
2. Open the ink cartridge cover.



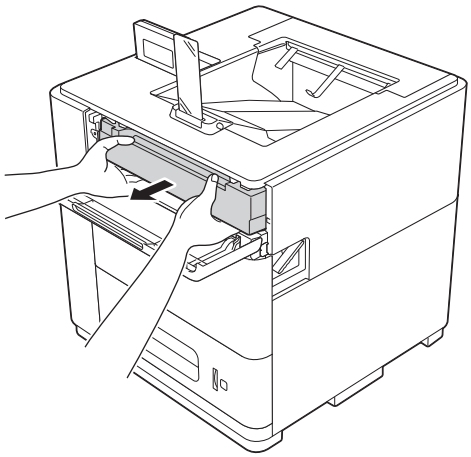
Important

Before removing the old cartridge, check that the cartridge stopper (1) has retracted. If the cartridge stopper has not retracted, make sure that the machine is turned on.





3 Use both hands to remove the ink cartridge from the machine.



Note

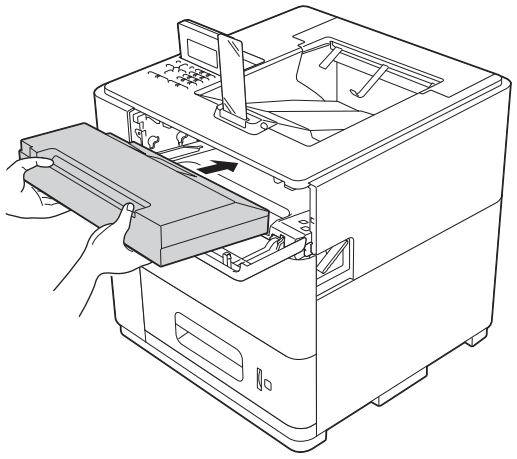
Go to http://www.brother.com/original/index.html for instructions on how to return your used consumable items to the Brother collection program. If you choose not to return your used consumable, please discard the used consumable according to local regulations, keeping it separate from domestic waste. If you have questions, call your local waste disposal office.

4 Unpack the new ink cartridge.

Important

- Wait to unpack the new ink cartridge until immediately before you put it in the machine. If an ink cartridge is left unpacked for a long time, the ink life will be shortened.
- Brother strongly recommends that you DO NOT refill the ink cartridge provided with your machine. We also strongly recommend that you continue to use only Genuine Brother Brand replacement ink cartridges. Use or attempted use of third party ink and/or cartridges in the Brother machine may cause damage to the machine and/or may result in unsatisfactory print quality. In addition, use of third party ink and/or cartridges may trigger incorrect status messages, cause the printer to stop prematurely or otherwise malfunction. Our limited warranty coverage does not apply to any problem that is caused by the use of third party ink and/or cartridges. To protect your investment and obtain premium performance from the Brother machine, we strongly recommend the use of Genuine Brother Supplies.

5 Insert the new ink cartridge firmly into the machine.



6 Close the ink cartridge cover.

Note

After replacing the ink cartridge, DO NOT turn off the machine or open the ink cartridge cover until the LCD shows `Ready`.

Cleaning and Checking the machine

Clean the outside and inside of the machine regularly with a dry, lint-free cloth.

WARNING

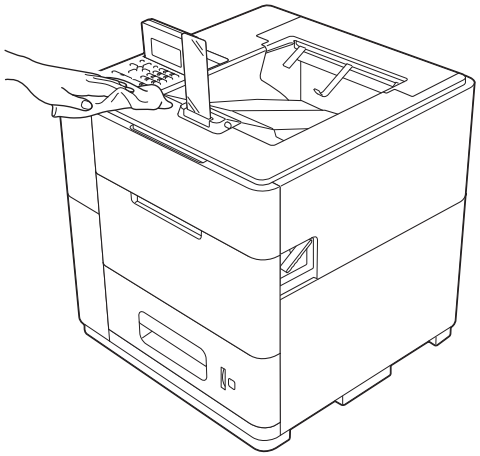


DO NOT use flammable substances, any type of spray, or an organic solvent/liquid containing alcohol or ammonia to clean the inside or outside of the machine. Doing so could cause a fire. Instead, use only a dry, lint-free cloth.

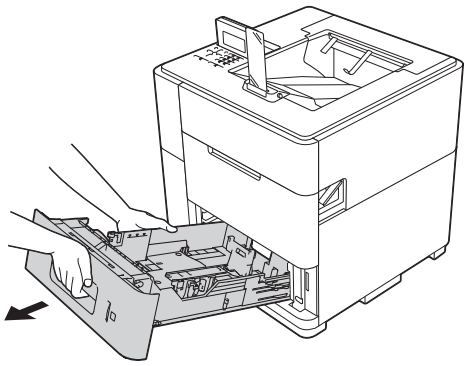
(➤➤ Product Safety Guide: *To use the product safely*)

Cleaning the outside of the machine

1. Turn the machine off.
2. Disconnect the interface cables from the machine, and then unplug the power cord from the AC power outlet.
3. Wipe the outside of the machine with a dry, lint-free cloth to remove dust.



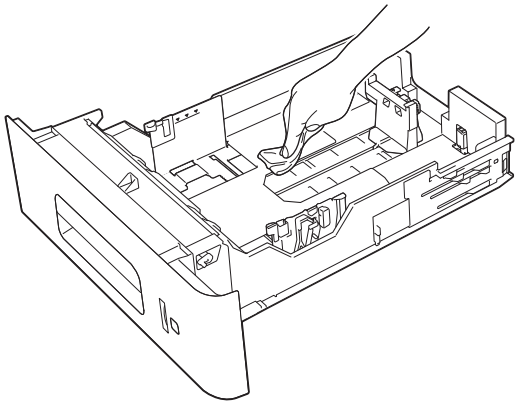
4 Slowly pull the paper tray out until it stops. Then slightly lift the front of the tray and pull the tray out of the machine.



5 If paper is loaded in the paper tray, remove it.

6 Remove anything that is stuck inside the paper tray.

7 Wipe the inside and the outside of the paper tray with a dry, lint-free cloth to remove dust.



8 Re-load the paper and put the paper tray firmly back in the machine.

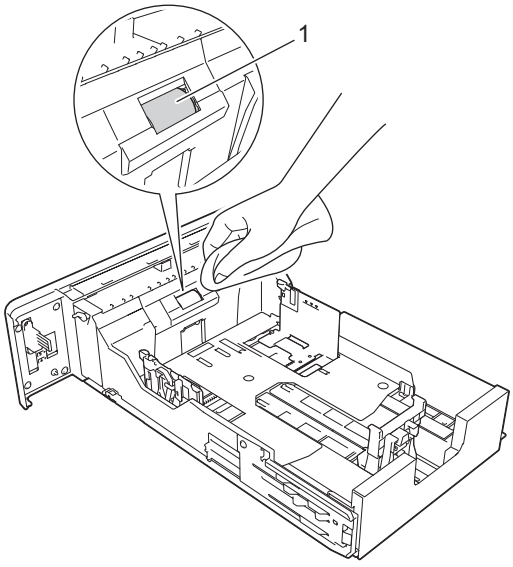
9 Plug the machine's power cord back into the AC power outlet first, and then connect the interface cables.

10 Turn the machine on.

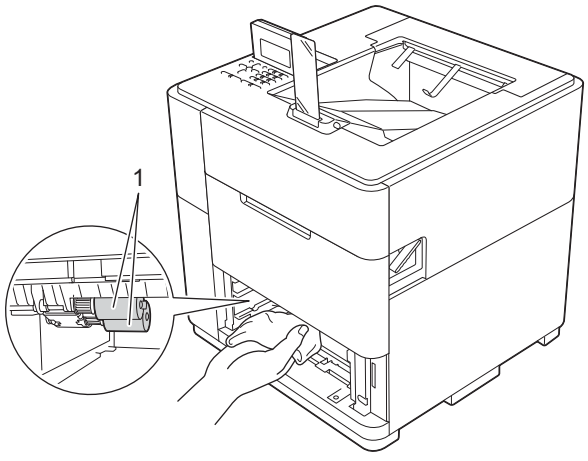
Cleaning the paper pick-up rollers

Cleaning the paper pick-up rollers periodically may prevent paper jams by insuring the proper feeding of paper.

1. Turn the machine off.
2. Disconnect the interface cables from the machine, and then unplug the power cord from the AC power outlet.
3. Slowly pull the paper tray out until it stops. Then slightly lift the front of the tray and pull the tray out of the machine.
4. Tightly wring out a lint-free cloth soaked in lukewarm water, and then wipe the separation roller (1) in the paper tray with it to remove dust.

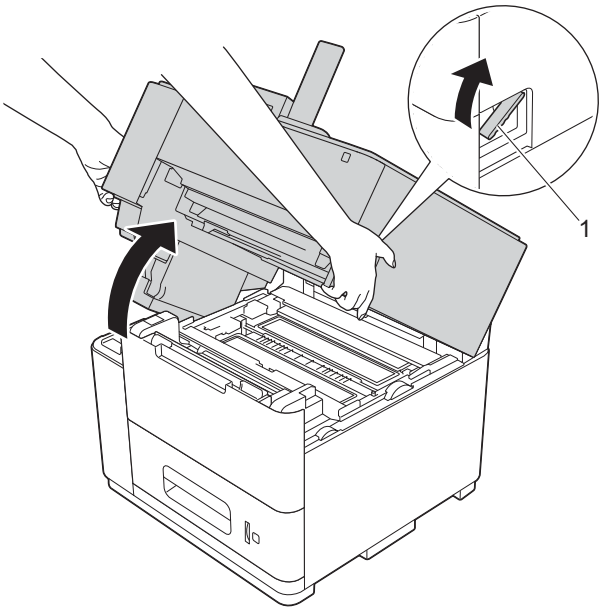


5. Wipe the two pick-up rollers (1) inside of the machine to remove dust.

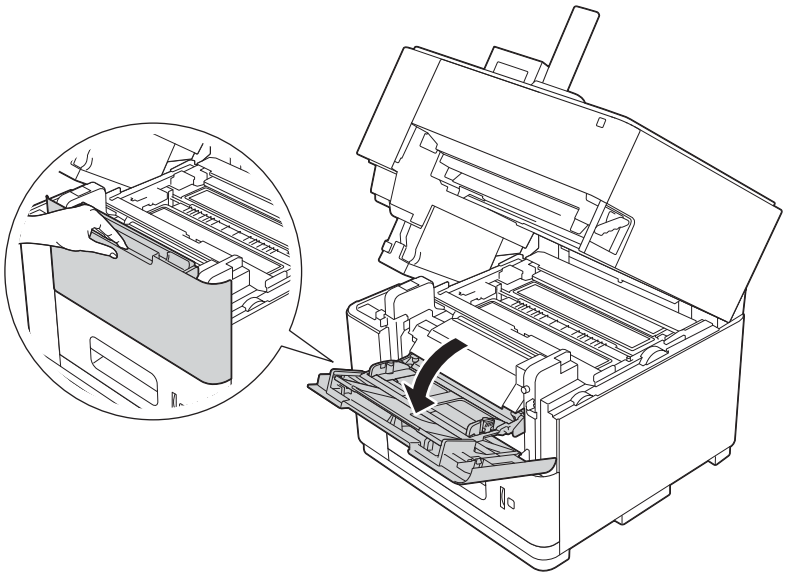


6 Put the paper tray back in the machine.

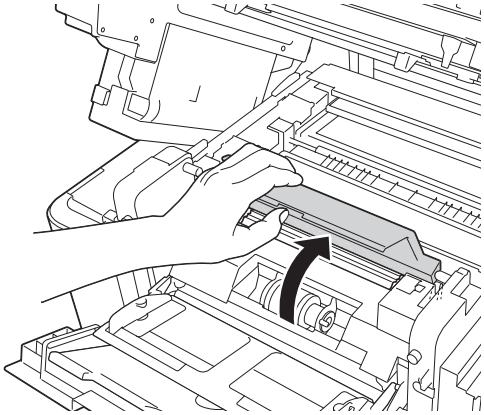
7 Pull the top cover release lever (1) as shown and open the top cover.



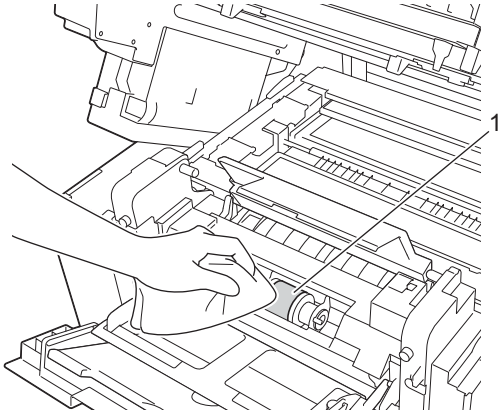
8 Open the MP tray and lower it gently.



9 Open the inside front cover.



10 Wipe the pick-up roller (1) inside of the machine to remove dust.



11 Close the inside front cover.

12 Close the MP tray.

13 Close the top cover.

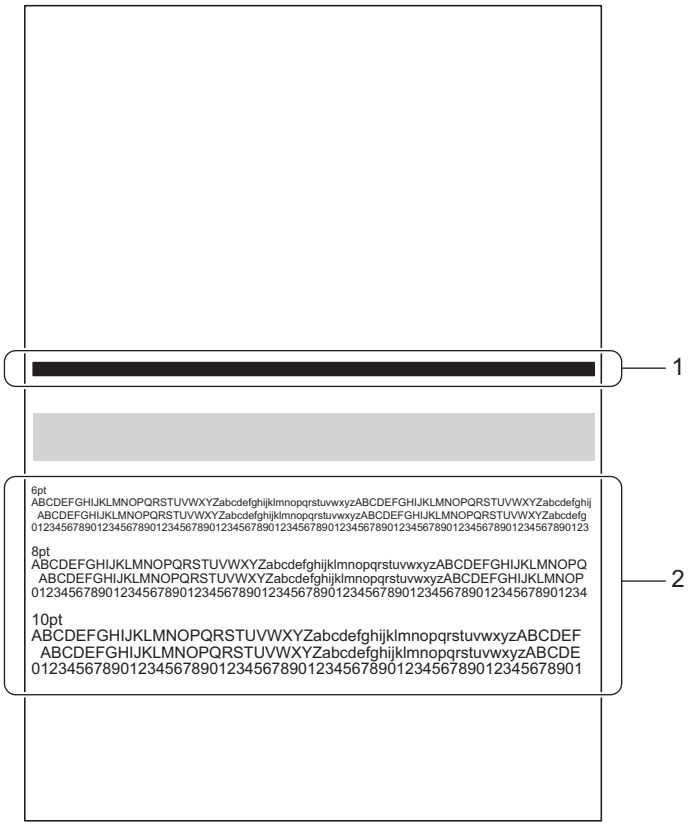
14 Plug the machine’s power cord back into the AC power outlet first, and then connect the interface cables.

15 Turn the machine on.

Checking the print quality

If faded or streaked text appear on your printouts, some of the print head nozzles may be clogged. You can check this by printing the test page and looking at the nozzle check pattern.

1. Press **Menu**.
2. Press ▲ or ▼ to choose `Maintenance`. Press **OK**.
3. Press ▲ or ▼ to choose `Test Print`. Press **OK**.
 The machine begins printing the test page.
4. Check the print quality of the test page. If blurred text or lines appear in the printed test page, clean the print head. (See *Cleaning the print head* ➤➤ page 107.)
 - If you print documents that contain mostly graphics, check the black bar (1).
 - If you print documents that contain mostly text, check the characters and numbers (2).



Cleaning the print head

To maintain good print quality, the machine will automatically clean the print head when needed. You can start the cleaning process manually if there is a print quality problem.

Clean the print head if you get a vertical line in the text or graphics, or blank text on your printed pages.

Cleaning the print head consumes ink. Cleaning too often uses ink unnecessarily.

Important

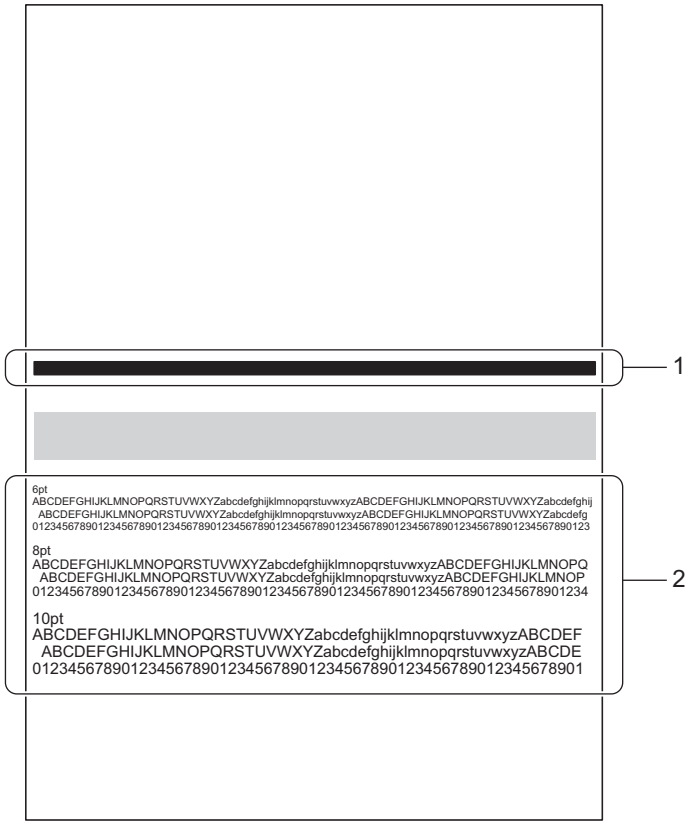
DO NOT touch the print head. Touching the print head may cause permanent damage and may void the print head's warranty.

Note

If the machine is left unplugged for a long period of time, it will automatically start cleaning when you plug the machine back in. This cleaning process will reduce the rated life of the ink cartridge in the machine.

Cleaning Wizard

1. Press **Menu**.
2. Press ▲ or ▼ to choose `Maintenance`. Press **OK**.
3. Press ▲ or ▼ to choose `Cleaning Wizard`. Press **OK**.
 The machine begins printing the test page.
4. Check the print quality of the test page.
 - If you print documents that contain mostly graphics, check the black bar (1).
 - If you print documents that contain mostly text, check the characters and numbers (2).



5 The LCD asks you if the print quality is OK.
Do one of the following:

- If the printout looks clear and visible, press **1** to select `Yes` to finish the cleaning. The machine will return to Ready mode.
- If the printout has a quality problem, press **2** to select `No`. The machine will start cleaning and print the test page again. Repeat steps ❹ and ❺ until the print quality is improved.

If you clean three times and the print has not improved, the LCD will ask you to start Advanced Cleaning. To start Advanced Cleaning, press **1** to select `Yes` then go to step ❹ in *Advanced Cleaning*. To finish the cleaning, press **2** to select `No`.

Advanced Cleaning

Cleans the print head more thoroughly than `Cleaning Wizard`. Choose this option if `Cleaning Wizard` does not clean the print head adequately, when the print appears thin, or when there are smudges.

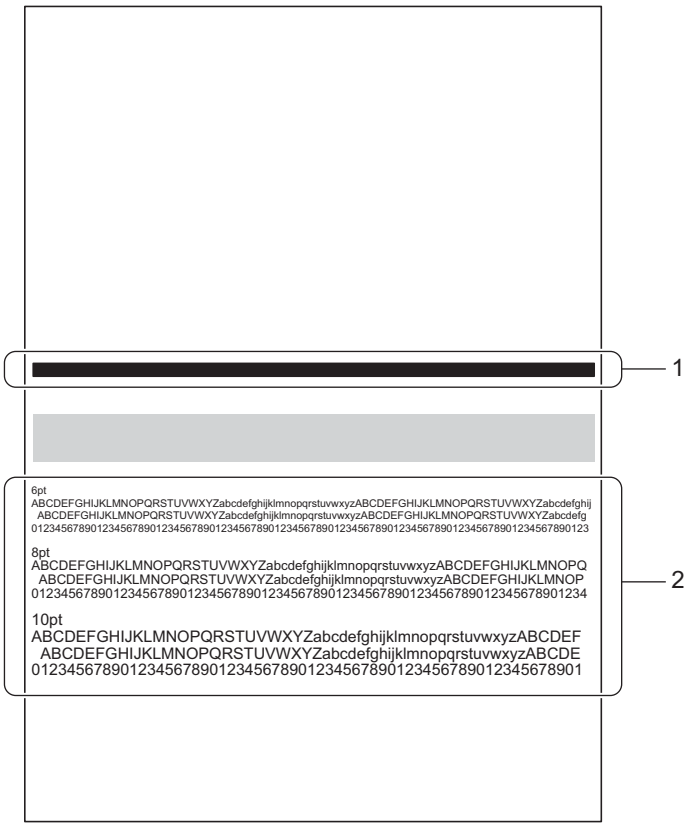
1 Press **Menu**.

2 Press ▲ or ▼ to choose `Maintenance`. Press **OK**.

3 Press ▲ or ▼ to choose `AdvancedCleaning`. Press **OK**.
The machine begins printing the test page.

4 Check the print quality of the test page.

- If you print documents that contain mostly graphics, check the black bar (1).
- If you print documents that contain mostly text, check the characters and numbers (2).



5 The LCD asks you if the print quality is OK.
Do one of the following:

- If the printout looks clear and visible, press **1** to select `Yes` to finish the cleaning. The machine will return to Ready mode.
- If the printout has a quality problem, press **2** to select `No`. The machine will start cleaning and print the test page again. Repeat steps 4 and 5 until the print quality is improved.

If you have cleaned three times and the print has not improved, the LCD will tell you to call for a service. Press **OK** and call Brother Customer Service. (See *Brother numbers* ➤➤ page 151.)

6 Troubleshooting

If you think there is a problem with your machine, check each item below first and follow the troubleshooting tips. Most problems can be easily resolved by yourself.

Identifying your problem

First, check the following.

- The machine's power cord is connected properly and the machine is turned on. If the machine does not turn on after connecting the power cord, see *Other difficulties* ➤➤ page 142.
- All of the protective parts have been removed.
- Paper is inserted properly in the paper tray.
- The interface cables are securely connected to the machine and the computer, or wireless connection is set up on both the machine and your computer.
- LCD Messages

 (See *Error and maintenance messages* ➤➤ page 112.)

If you did not solve your problem with the above checks, identify your problem and then go to the page suggested below.

Machine does not print:

- Paper handling

 (See *Paper handling difficulties* ➤➤ page 140.)

Pages are printed, but there are still problems:

- Print quality

 (See *Print quality difficulties* ➤➤ page 138.)
- Printout is incorrect

 (See *Printing difficulties* ➤➤ page 137.)

Network and other problems:

- *Network difficulties* ➤➤ page 141.
- *Other difficulties* ➤➤ page 142.

Error and maintenance messages

As with any sophisticated office product, errors may occur, consumable and maintenance items may need to be replaced. If this happens, your machine identifies the error or required routine maintenance and shows the appropriate message. The most common error and maintenance messages are shown below.

You can clear most errors and perform routine maintenance by yourself. If you need more help, the Brother Solutions Center offers the latest FAQs and troubleshooting tips:
Visit us at http://solutions.brother.com/.

Error message	Cause	Action
Access Denied	The function you want to use is restricted by Secure Function Lock 2.0.	Contact your administrator to check your Secure Function Lock Settings.
Cartridge Alert	The ink cartridge has been used with too many printers.	Do not remove a cartridge unless its ink runs out. Removing a cartridge while it contains ink may cause ink to leak out. You can clear this error by opening and closing the printer's ink cartridge cover.
	If you are not using Genuine Brother ink the machine may not detect the ink cartridge.	Use a Genuine Brother Ink Cartridge. You can clear this error by opening and closing the printer's ink cartridge cover.
	The cartridge's expiration date has passed.	You can clear this error by opening and closing the printer's ink cartridge cover. If you continue to use the cartridge, print quality may decrease. Replace the ink cartridge. (See *Replacing the ink cartridge* ➤➤ page 98.)
Cartridge Error	The ink is not being supplied correctly.	Turn the machine off, and then turn it on again. If the problem continues, call Brother Customer Service.
	The ink cartridge is not installed correctly.	Take out the ink cartridge, and put it back into the machine again. If the problem continues, call Brother Customer Service.
Cover is Open	One of the machine's covers is not closed completely.	Close the cover indicated in the LCD message.
Duplex Disabled	The back cover of the machine is not closed completely.	Close the back cover of the machine.
	The duplex tray is not installed or not installed correctly.	Re-install the duplex tray.
DX Lever Error	The paper adjustment lever for duplex printing at the back of the printer is not correctly set for the paper size.	Move the lever at the back of the printer to the correct paper size position.
Ink Low	The ink cartridge is near the end of its life.	Order a new ink cartridge now so a replacement ink cartridge will be available when the LCD shows Insufficient Ink.

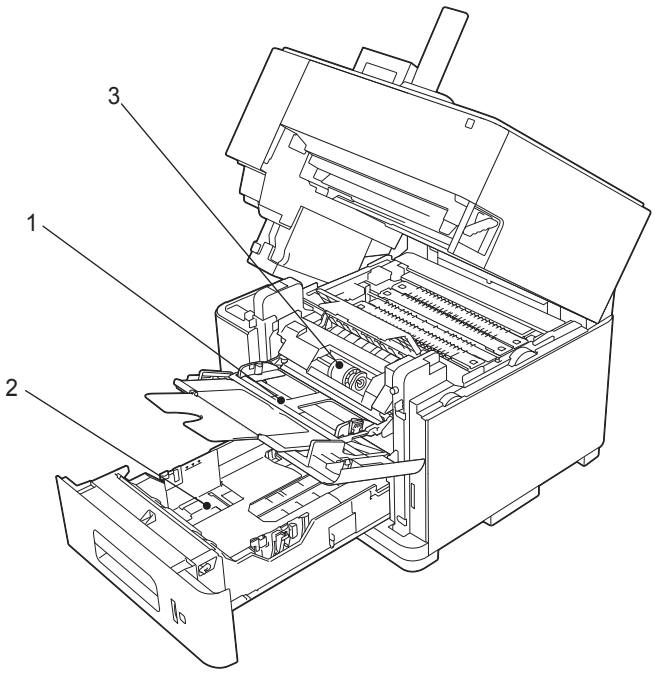
Error message	Cause	Action
Insufficient Ink	The ink cartridge is at the end of its life. The machine will stop all print operations.	Replace the ink cartridge. (See *Replacing the ink cartridge* ➤➤ page 98.) The printer's ink cartridge uses both Black ink and Pre-coat to ensure print quality. Therefore if either the Black ink or the Pre-coat runs out, the cartridge can no longer be used and the printer cannot print, even if there is some of the other ink remaining in the cartridge.
Jam MP Tray Jam A Tray 1 Jam A Tray 2 Jam A Tray 3 Jam A Tray 4 Jam B Inside Jam C Inside Jam D Duplex Jam E Rear Jam F OP Tray	The paper is jammed in the area indicated.	See *Paper jams* ➤➤ page 116.
Limit Exceeded	The printing limit set by Secure Function Lock 2.0 was reached.	Contact your administrator to check your Secure Function Lock Settings.
Log Access Error	The machine could not access the print log file in the server.	Contact your administrator to check the Store Print Log to Network settings. (For detailed information ➤➤ Network User's Guide: *Store Print Log to Network*)
Low Temperature	The room temperature is too low for the machine to operate.	Increase the room temperature to allow the machine to operate.
Manual Feed	**Manual** was selected as the paper source when there was no paper in the MP tray.	Place the same size of paper in the MP tray as is shown on the LCD. If the machine is paused, press **Go**. (See *Loading paper in the multi-purpose tray (MP tray)* ➤➤ page 12.)
No Cartridge	The ink cartridge is not installed correctly.	Take out the ink cartridge, and put it back into the machine again.
	If you are not using Genuine Brother ink the machine may not detect the ink cartridge.	Use a Genuine Brother Ink Cartridge.
No DX Tray	The duplex tray is not installed or not installed correctly.	Re-install the duplex tray.
No Paper Load <size> paper in <tray>.	The machine is out of paper or paper is not correctly loaded in the specified paper tray.	Put paper in the indicated paper tray. Make sure the paper guides are set to the correct size.
No Tray	The paper tray is not installed or not installed correctly.	Re-install the paper tray indicated in the LCD message.

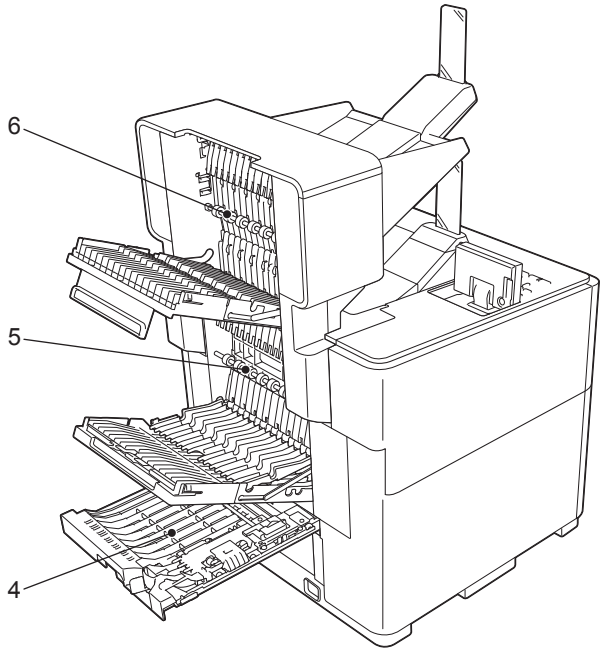
Error message	Cause	Action
No Tray ID XX	The specified tray ID could not be found.	Confirm the tray ID assigned to the tray and select that ID when printing.
No Waste Tank	The waste ink tank is not installed or is installed incorrectly.	Call Brother Customer Service to re-install the waste ink tank.
Output Tray Full	Output tray is full.	Remove printed pages from the output paper tray.
Paper Low Tray XX	The paper in the tray is running low.	Refill paper in the indicated paper tray.
Print Unable XX	The machine has a mechanical problem.	Turn the machine off, wait a few minutes, and then turn it on again. If the problem continues, call Brother Customer Service.
Replace Parts PF Kit MP PF Kit XX	It is time to replace the paper feeding kit.	Call Brother Customer Service or a Brother Authorized Service Center to replace the PF kit. To replace the PF kit, call Brother Customer Service at: 1-877-BROTHER (1-877-276-8437) **(in USA)** 1-877-BROTHER **(in Canada)** or to locate a Brother Authorized Service Center, visit us at: http://www.brother-usa.com/service/
Size Error DX	The paper size defined in the printer driver and the control panel menu is not available for automatic duplex printing.	Press **Cancel**. Choose a paper size that is supported by the duplex tray. The paper sizes you can use for automatic duplex printing are Letter, A4, Legal or Folio.
	The paper in the tray is not the correct size and is not available for automatic duplex printing.	Load the correct size of paper in the tray and set the size of paper for the tray. (See *Paper Tray* ➤➤ page 79.) The paper sizes you can use for automatic duplex printing are Letter, A4, Legal or Folio.
Size Mismatch	The paper in the indicated tray is not the correct size.	Put the same size paper in the paper tray that is selected in the printer driver, and then press **Go**, or select the size of paper that you loaded in the indicated paper tray.
Short paper	The length of the paper in the tray is too short for the machine to deliver it to the face-down output tray.	Open the back cover (face-up output tray) to let the printed paper exit onto the face-up output tray. Remove the printed pages and then press **Go**.
Small paper	The paper size specified in the printer driver is too small for the machine to deliver it to the face-down output tray.	Open the back cover (face-up output tray) to let the printed paper exit onto the face-up output tray and then press **Go**.
Storage Error	The storage memory is corrupted.	You can clear this error by turning the machine off, and then turning it on again. Contact your administrator to format the storage memory. If the problem continues, call Brother Customer Service.

Error message	Cause	Action
Storage Full	There is no space in the memory.	Press **Cancel** or **Go**. Delete unnecessary macros or fonts. (See *Macro/Font* ➤➤ page 81.)
		Press **Cancel** or **Go**. Delete the previously stored storage print data.
Tray XX Error	The paper tray is not installed in the machine correctly.	Completely pull out the paper tray indicated by the message on the LCD, and then check inside the machine and the tray for any paper. After checking, re-install the tray correctly.
Waste Tank Alert	The waste ink tank is almost full.	The waste ink tank will need to be replaced soon. Call Brother Customer Service to have your machine serviced.
Waste Tank Full	The waste ink tank is full.	The waste ink tank needs to be replaced. Call Brother Customer Service to have your machine serviced.
Wrong Paper Size	The paper size of print data does not match the size of paper in the tray. Or, you did not set the paper guides in the tray to the indicators for the paper size you are using.	■ Put the same size paper in the paper tray that is selected in the printer driver. ■ Check that the paper guides in the tray are set for the paper size you are loading.

Paper jams

If paper jams inside the machine, the machine will stop. One of the following error messages will appear to tell you where to find the jammed paper.





	Error message	
1	Jam MP Tray	The paper is jammed in the MP tray. (➤➤ page 117)
2	Jam A Tray 1	The paper is jammed in the paper tray. (➤➤ page 117)
	Jam A Tray 2 Jam A Tray 3 Jam A Tray 4	The paper is jammed in the indicated paper tray. (➤➤ page 121)
3	Jam B Inside	The paper is jammed inside the machine. (➤➤ page 122)
	Jam C Inside	The paper is jammed inside the machine. (➤➤ page 126)
4	Jam D Duplex	The paper is jammed in the duplex tray. (➤➤ page 130)
5	Jam E Rear	The paper is jammed in the back of the machine. (➤➤ page 134)
6	Jam F OP Tray	The paper is jammed in the optional output tray. (➤➤ page 136)

Always remove all paper from the paper tray and straighten the stack when you add new paper. This helps prevent multiple sheets of paper from feeding through the machine at one time and prevents paper jams.

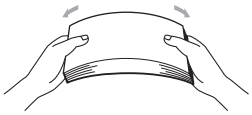
Note

If a paper jam occurs, ink may adhere to the paper and cause the paper to become dirty.

Jam MP Tray (paper jam in the MP tray)

If the LCD shows `Jam MP Tray`, follow these steps:

1. Remove the paper from the MP tray.
2. Remove any jammed paper from in and around the MP tray.
3. Fan the paper stack, and then put it back in the MP tray.

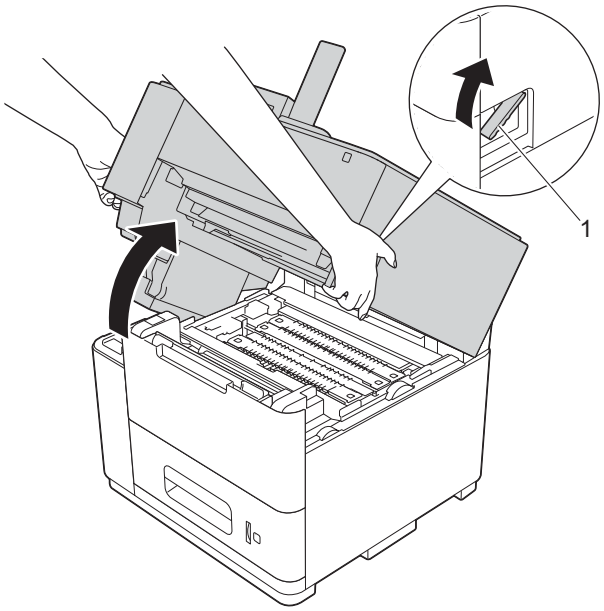


4. When loading paper in the MP tray, make sure that the paper stays under the maximum paper height guides on both sides of the tray.
5. Press **Go** to resume printing.

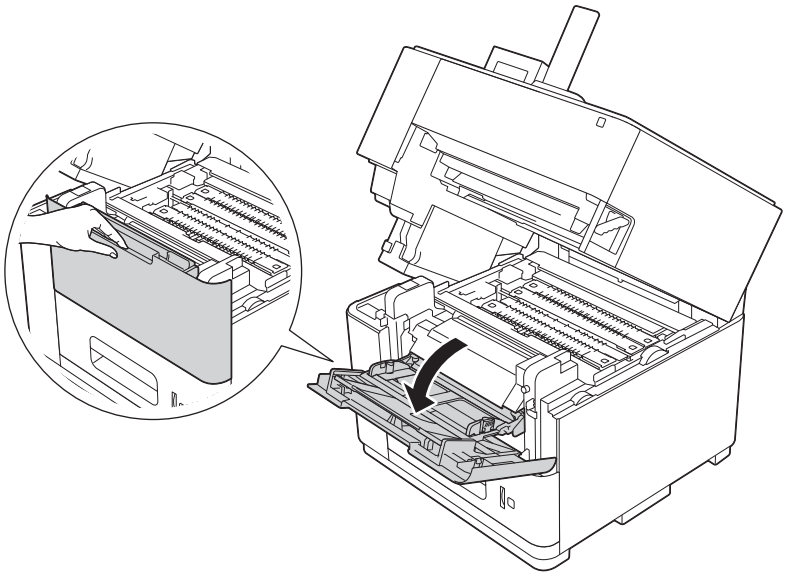
Jam A Tray 1 (paper jam in the paper tray)

If the LCD shows `Jam A Tray 1`, follow these steps:

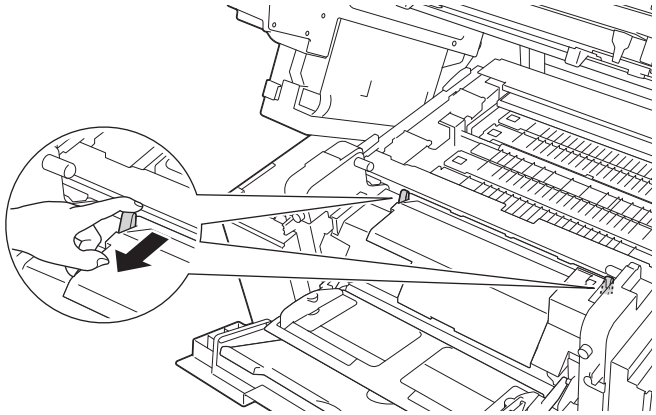
1. Remove any printed pages from the output paper tray.
2. Pull the top cover release lever (1) as shown and open the top cover.



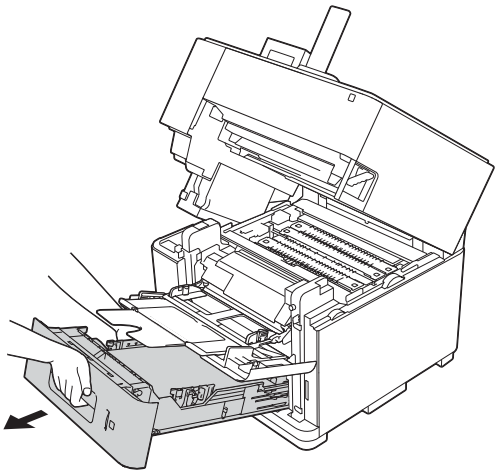
3 Open the MP tray and lower it gently.



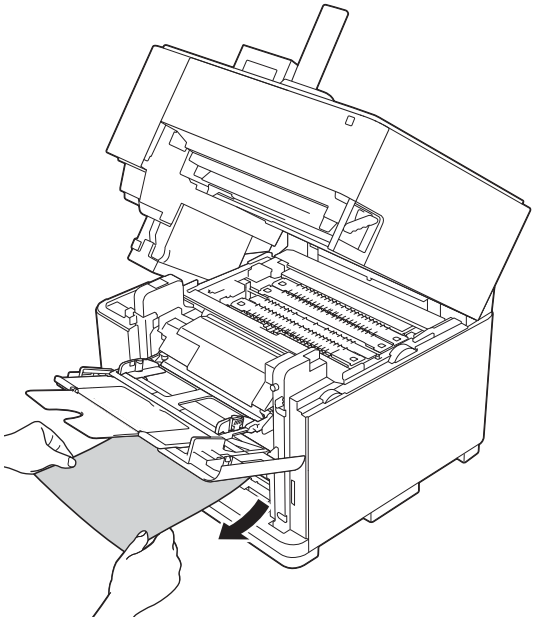
4 Pull both green paper roller tabs toward you to release the paper.



5 Slowly pull the paper tray out until it stops. Then slightly lift the front of the tray and pull the tray out of the machine.

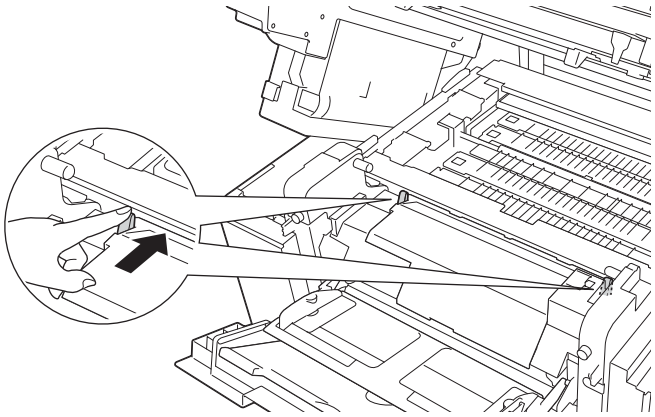


6 Use both hands to slowly pull out the jammed paper.



7 Put the paper tray firmly back in the machine.

8 Push both the green paper roller tabs toward the back.



9 Close the MP tray.

10 Close the top cover.

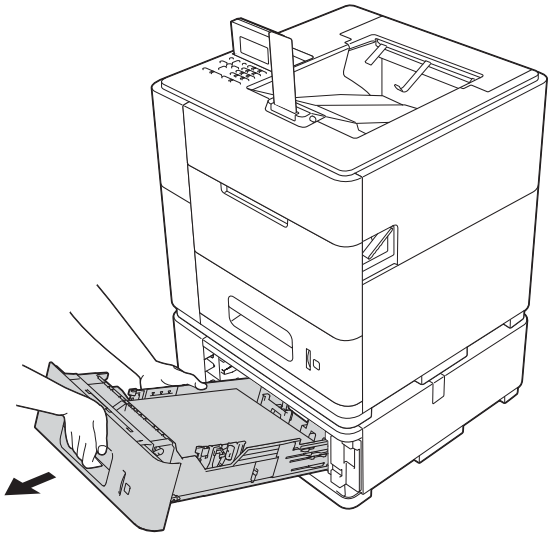
Note

If paper dust has accumulated on the surface of the paper pick-up rollers, a paper jam may occur in the paper tray. Clean the paper pick-up rollers. (See *Cleaning the paper pick-up rollers* ➤➤ page 104.)

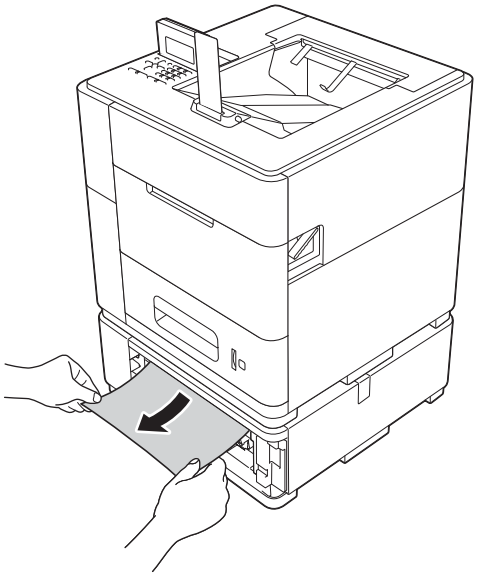
Jam A Tray 2 / Tray 3 / Tray 4 (paper jam in the paper tray)

If the LCD shows `Jam A Tray 2`, `Jam A Tray 3` or `Jam A Tray 4` follow these steps:

1. Slowly pull the paper tray, indicated in the LCD message, until it stops. Then slightly lift the front of the tray and pull the tray out of the machine.



2. Use both hands to slowly pull out the jammed paper.



Note

Pulling the jammed paper downward allows you to remove the paper more easily.

3 Make sure that the paper is below the maximum paper mark (▼▼▼) in the paper tray. While pressing the green paper-guide release lever, slide the paper guides to fit the paper size. Make sure that the guides are firmly in the slots.

4 Put the paper tray firmly back in the machine.

Important

Do not pull out the upper paper tray while paper is feeding from a lower paper tray because this will cause a paper jam.

Note

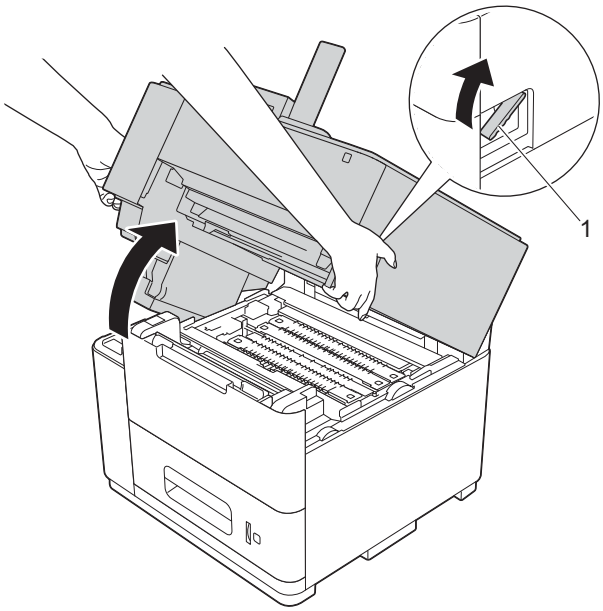
If paper dust has accumulated on the surface of the paper pick-up rollers, a paper jam may occur in the paper tray. Clean the paper pick-up rollers. (See *Cleaning the paper pick-up rollers* ➤➤ page 104.)

Jam B Inside (paper jam inside the machine)

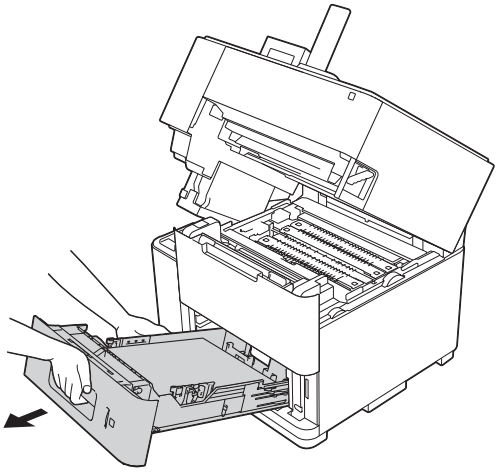
If the LCD shows `Jam B Inside`, follow these steps:

1 Remove any printed pages from the output paper tray.

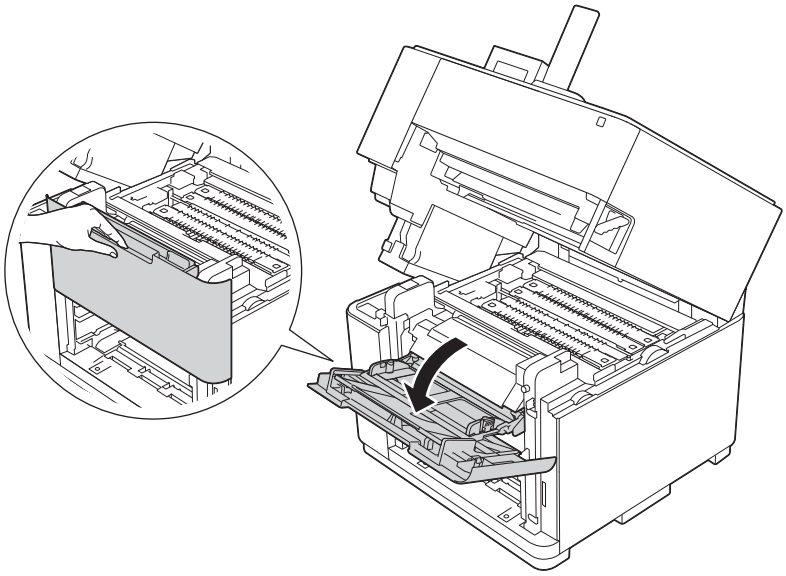
2 Pull the top cover release lever (1) as shown and open the top cover.



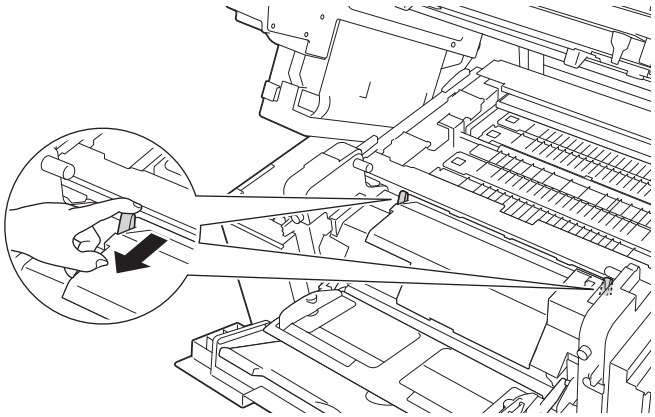
3 Slowly pull the paper tray out until it stops. Then slightly lift the front of the tray and pull the tray out of the machine.



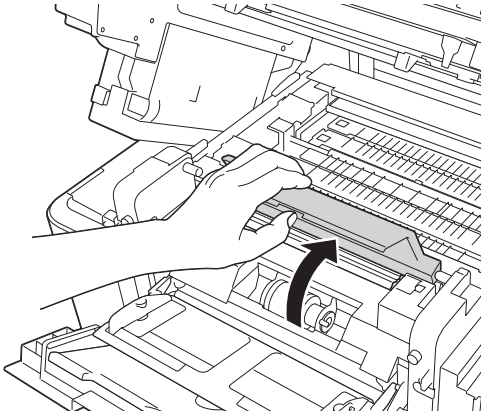
4 Open the MP tray and lower it gently.



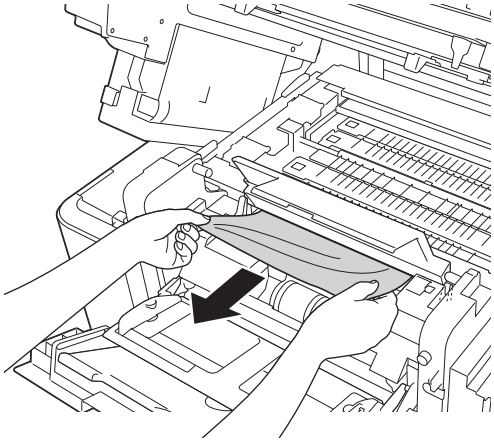
5 Pull both green paper roller tabs toward you to release the paper.



6 Open the inside front cover.

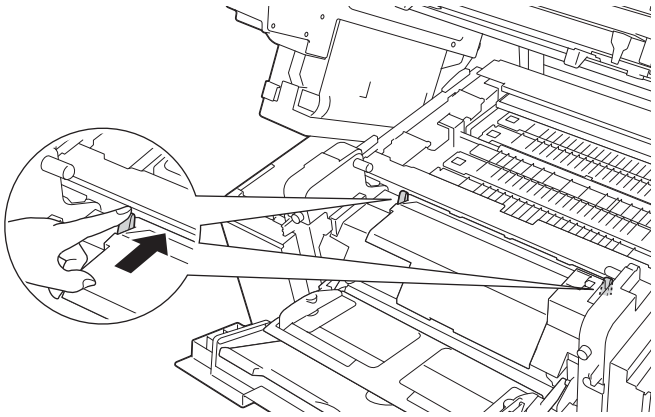


7 Using both hands, gently pull out the jammed paper.



8 Close the inside front cover.

9 Push both the green paper roller tabs toward the back.



10 Close the MP tray.

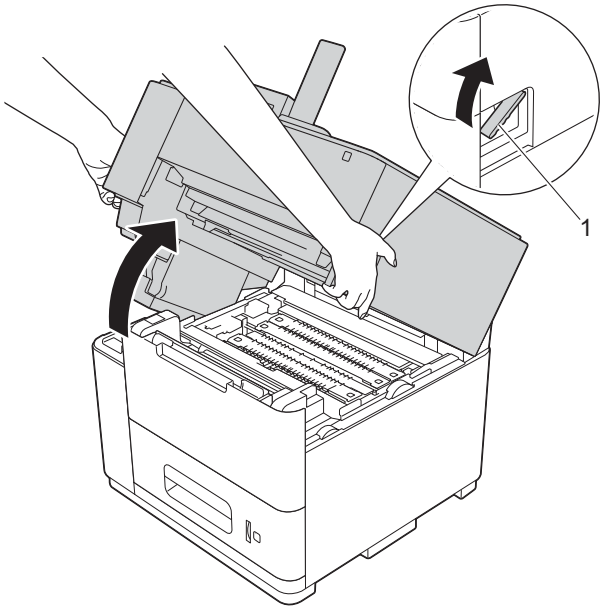
11 Put the paper tray firmly back in the machine.

12 Close the top cover.

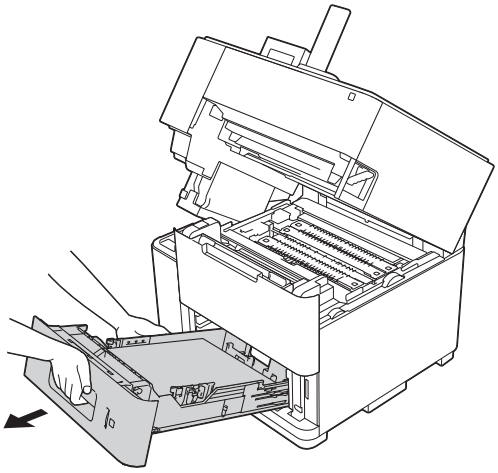
Jam C Inside (paper jam inside the machine)

If the LCD shows `Jam C Inside`, follow these steps:

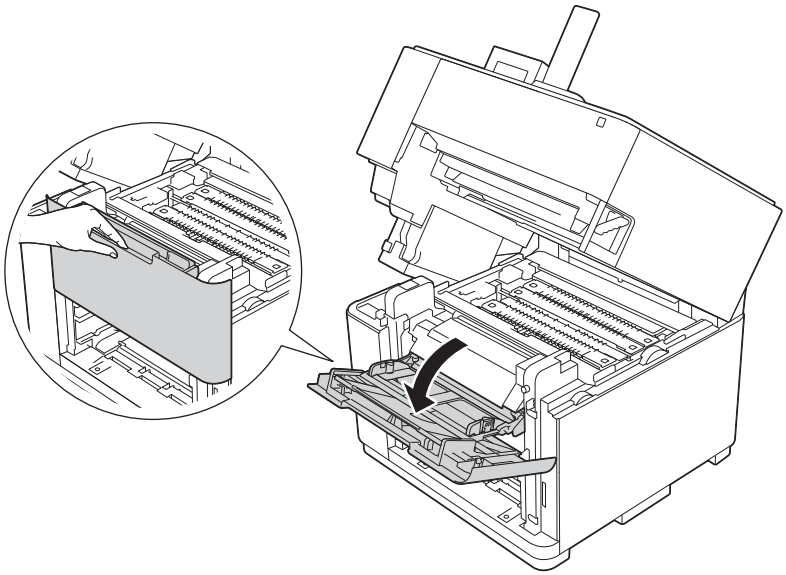
1. Remove any printed pages from the output paper tray.
2. Pull the top cover release lever (1) as shown and open the top cover.



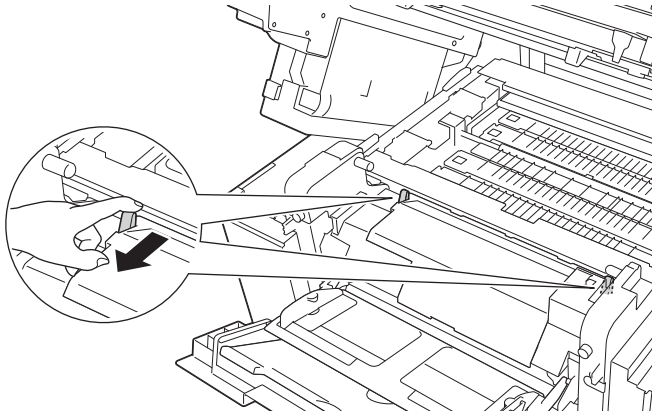
3. Slowly pull the paper tray out until it stops. Then slightly lift the front of the tray and pull the tray out of the machine.



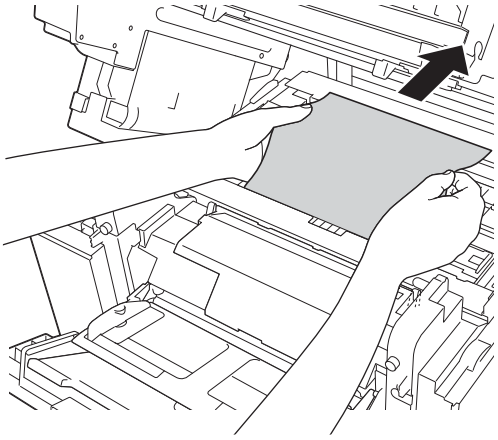
4 Open the MP tray and lower it gently.



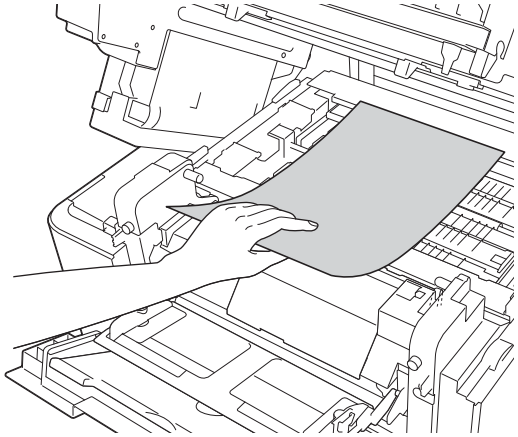
5 Pull both green paper roller tabs toward you to release the paper.



6 Hold the left and right edges of the jammed paper near the inside of the machine and pull it out.

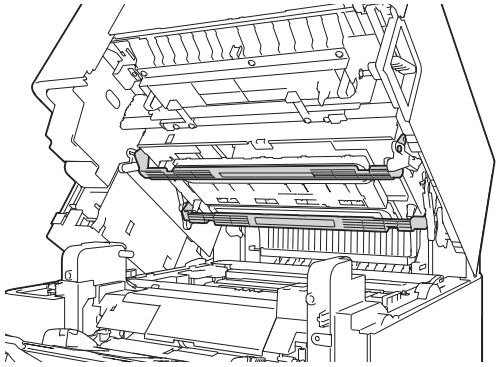


7 Remove the jammed paper from the machine.

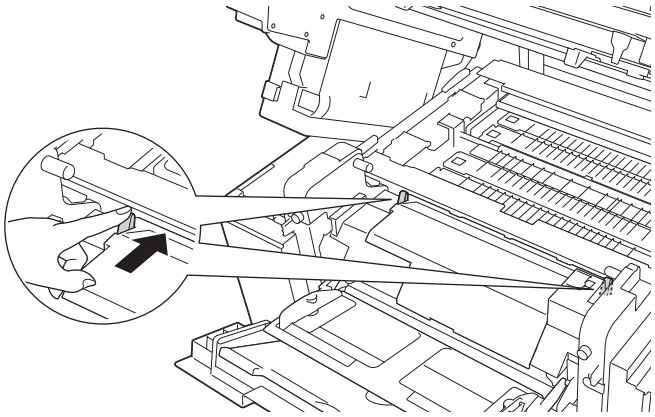


Note

DO NOT touch the shaded parts shown in the illustrations. If you do so, the ink may stain your skin.



8 Push both the green paper roller tabs toward the back.



9 Close the MP tray.

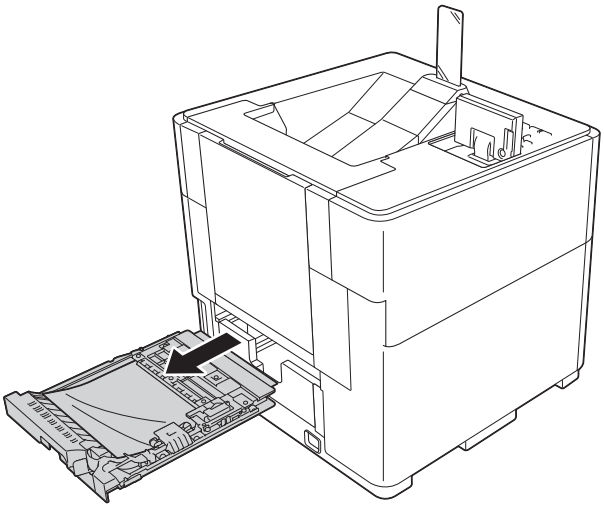
10 Put the paper tray firmly back in the machine.

11 Close the top cover.

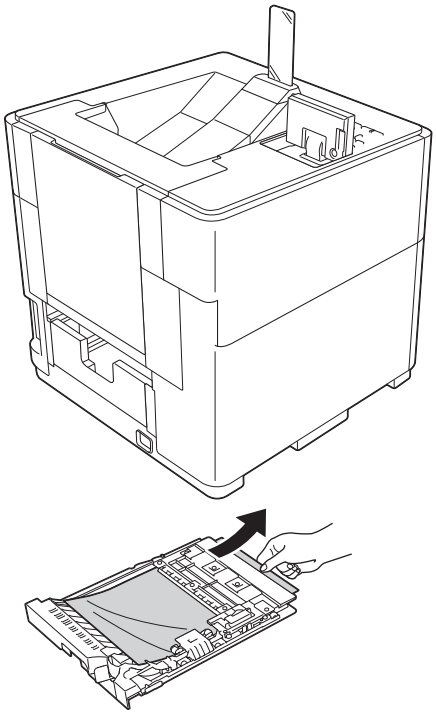
Jam D Duplex (paper jam in the Duplex tray)

If the LCD shows `Jam D Duplex`, follow these steps:

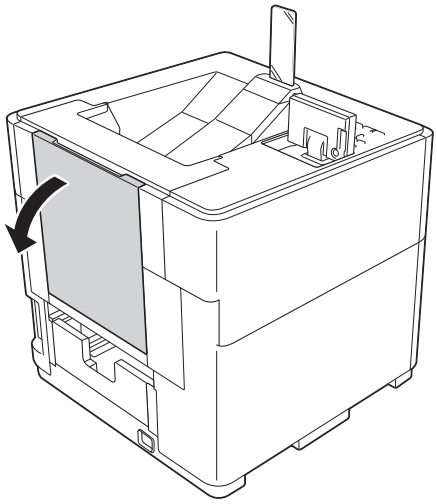
1. Pull the duplex tray completely out of the machine.



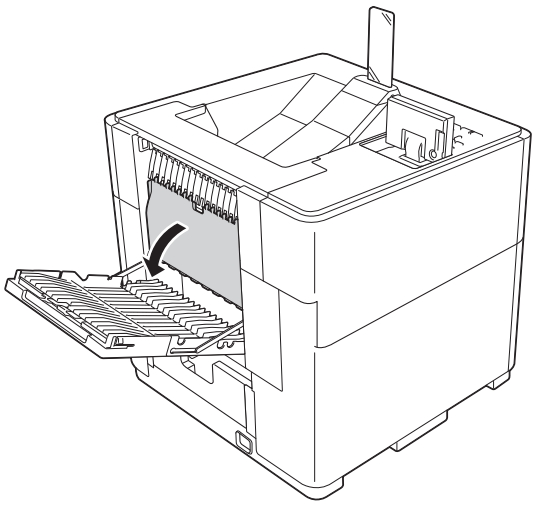
2. Pull the jammed paper out of the duplex tray.



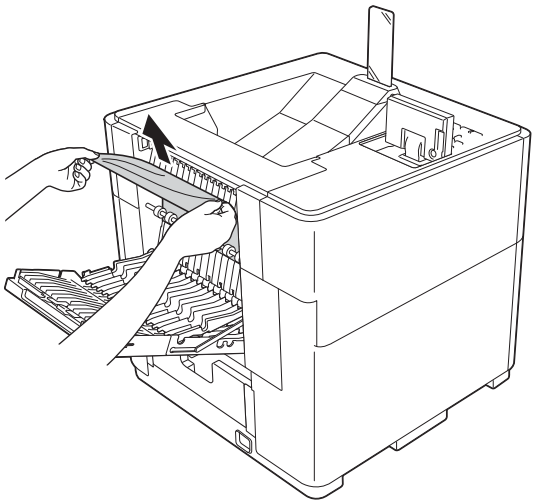
3 Open the back cover.



4 Open the inner back cover.



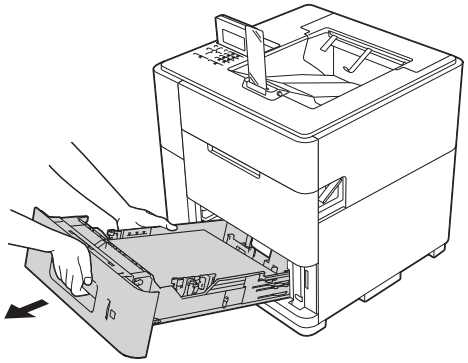
5 If the jammed paper remains in the machine, using both hands, gently pull the jammed paper out of the back of the machine.



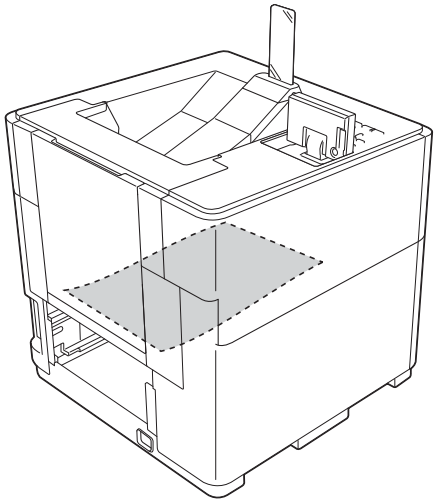
6 Close the inner back cover.

7 Close the back cover.

8 Slowly pull the paper tray out until it stops. Then slightly lift the front of the tray and pull the tray out of the machine.



9 Make sure that the jammed paper does not remain under the machine from static electricity.



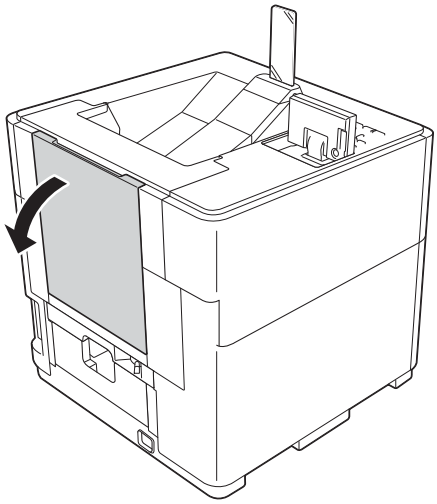
10 Put the paper tray firmly back in the machine.

11 Put the duplex tray back into the machine.

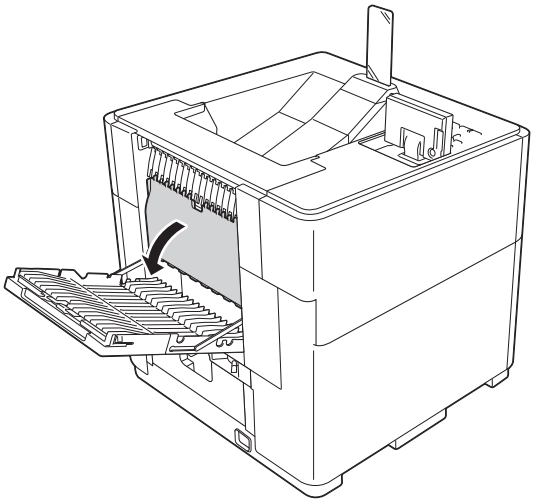
Jam E Rear (paper jam at the back of the machine)

If the LCD shows `Jam E Rear`, a paper jam occurred behind the back cover. Follow these steps:

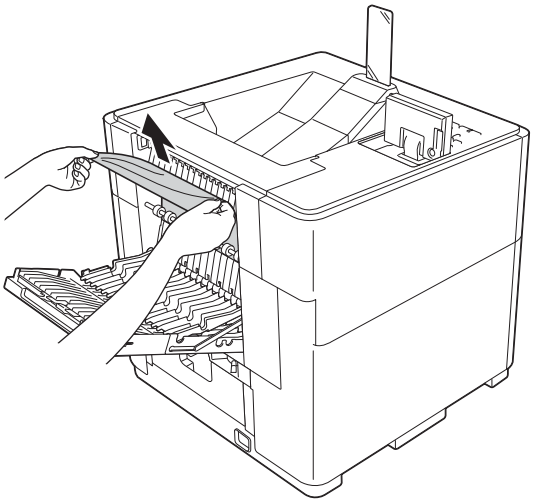
1. Open the back cover.



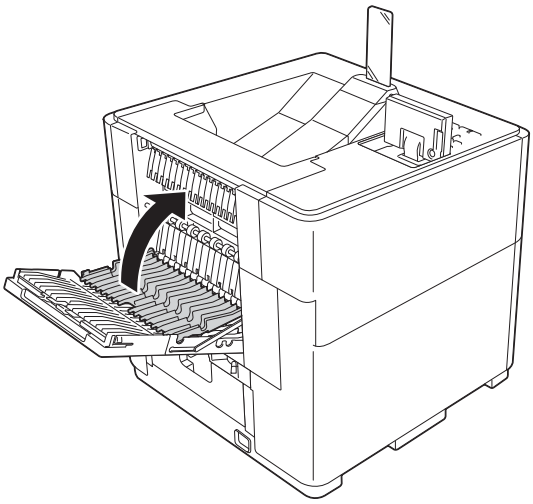
2. Open the inner back cover.



3 Using both hands, gently pull the jammed paper out of the back of the machine.



4 Close the inner back cover.

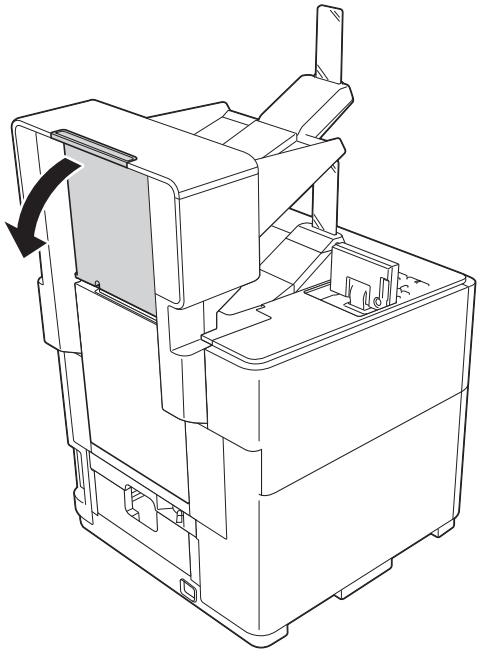


5 Close the back cover.

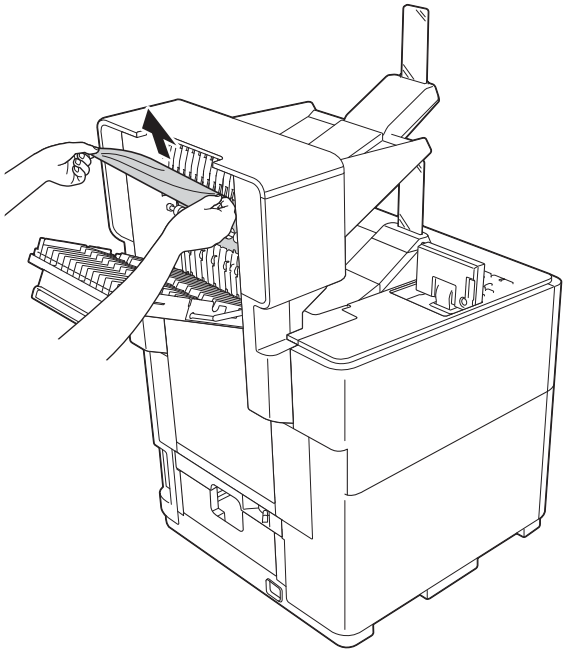
Jam F OP Tray (paper jam in the optional output tray)

If the LCD shows `Jam F OP Tray`, a paper jam occurred in the optional output tray. Follow these steps:

1. Open the back cover of the optional output tray.



2. Using both hands, gently pull the jammed paper out.



3. Close the back cover of the optional output tray.

If you are having difficulty with your machine

Important

- For technical help, you must call the country where you bought the machine. Calls must be made from within that country.
- If you think there is a problem with your machine, check the chart below and follow the troubleshooting tips. Most problems can be easily resolved by yourself.
- If you need additional help, the Brother Solutions Center offers the latest FAQs and troubleshooting tips. Visit us at http://solutions.brother.com/.
- Using non-Brother supplies may affect the print quality, hardware performance, and machine reliability.

Printing difficulties

Difficulties	Suggestions
No printout.	Check that the correct printer driver has been installed and chosen.
	Check to see if the LCD is showing an error message. (See *Error and maintenance messages* ➤➤ page 112.)
	Check that the machine is online: (Windows® 7 and Windows Server® 2008 R2) Click the button and **Devices and Printers**. Right-click **Brother HL-S7000DN series** and click **See what's printing**. Click **Brother HL-S7000DN series** or **Brother HL-S7000DN BR-Script3** if necessary. Click **Printer** and make sure **Use Printer Offline** is unchecked. (Windows Vista® and Windows Server® 2008) Click the button, **Control Panel**, **Hardware and Sound**, and then **Printers**. Right-click your machine. If the printer is offline, it will show **Use Printer Online**. Select this option to enable the printer. (Windows® XP and Windows Server® 2003) Click the **Start** button and choose **Printers and Faxes**. Right-click your machine. If the printer is offline, it will show **Use Printer Online**. Select this option to enable the printer.
	Contact your administrator to check your Secure Function Lock settings.
	If the LCD shows `Insufficient Ink`, the ink cartridge is at the end of its life. Replace the ink cartridge. (See *Replacing the ink cartridge* ➤➤ page 98.) The printer's ink cartridge uses both Black ink and Pre-coat to ensure print quality. Therefore if either the Black ink or the Pre-coat runs out, the cartridge can no longer be used and the printer cannot print, even if there is some of the other ink remaining in the cartridge.
The machine is not printing or has stopped printing.	Press **Cancel**. The machine will cancel the print job and clear it from the memory. The printout may be incomplete.

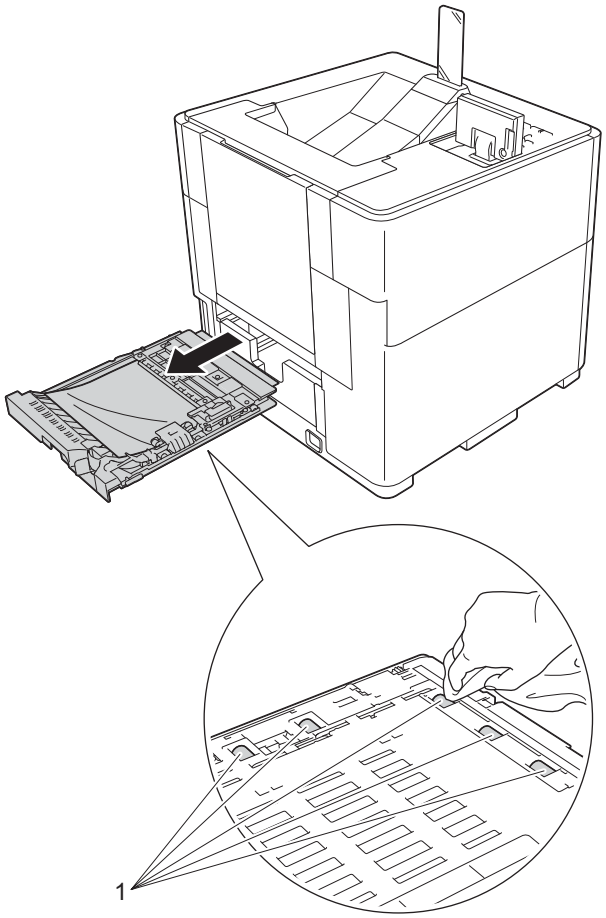
Printing difficulties (continued)

Difficulties	Suggestions
The headers or footers appear when the document displays on the screen but they do not show up when it is printed.	There is an unprintable area on the top and bottom of the page. Adjust the top and bottom margins in your document to allow for this. (See *Unprintable area when printing from a computer* ➤➤ page 6.)
The machine prints unexpectedly or it prints garbage.	Press **Cancel** to cancel print jobs.
	Check the settings in your application to make sure it is set up to work with your machine.
The machine prints the first couple of pages correctly, then some pages have text missing.	Check the settings in your application to make sure that it is set up to work with your machine.
	Your computer is not recognizing the machine's input buffer's full signal. Make sure that you connected the interface cable correctly. (➤➤ Quick Setup Guide)
Cannot perform 'Page Layout' printing.	Check that the paper size setting in the application and in the printer driver are the same.
Print speed is too slow.	Check that the back cover is firmly closed.
The machine stops during printing.	The machine automatically detects figures, photos, and other graphical data that require higher densities of ink. In order to ensure print quality the machine may temporarily pause during printing.

Print quality difficulties

Difficulties	Suggestions
Poor print quality.	Check the print quality. (See *Checking the print quality* ➤➤ page 107.)
	Make sure that the **Media Type** setting in the printer driver matches the type of paper you are using. See *Media Type* ➤➤ page 30 (for Windows® printer driver), *Advanced options* ➤➤ page 50 (for Windows® BR-Script3 printer driver), *Print Settings* ➤➤ page 62 (for Macintosh printer driver) and *Printer Features* ➤➤ page 65 (for Macintosh BR-Script3 printer driver).
	Make sure that your ink cartridge is fresh. The following may cause ink to clog: ■ The expiration date written on the cartridge package has passed. (Genuine Brother ink cartridges stay usable for up to two years if kept in their original packaging.) ■ The ink cartridge has been in your machine for over six months. ■ The ink cartridge may not have been stored properly before use.
	Make sure you are using Genuine Brother Ink. Using non-Brother supplies may affect the print quality, hardware performance, and machine reliability.
	Try using the recommended types of paper. (See *Acceptable paper and other print media* ➤➤ page 2.)
	The recommended environment for your machine is between 64.4 °F to 91.4 °F (18 °C to 33 °C).

Print quality difficulties (continued)

Difficulties	Suggestions
White vertical lines appear in text or graphics.	Clean the print head. (See *Cleaning the print head* ➤➤ page 107.)
	Make sure you are using Genuine Brother Ink.
	Try using the recommended types of paper. (See *Acceptable paper and other print media* ➤➤ page 2.)
The machine prints blank pages.	Clean the print head. (See *Cleaning the print head* ➤➤ page 107.)
	Make sure you are using Genuine Brother Ink.
Printed text or images are skewed.	Make sure the paper is loaded properly in the paper tray and the paper side guides are adjusted correctly. (See *Loading paper* ➤➤ page 7.)
	When you put paper into the paper tray, make sure you load at least 10 sheets of paper in the tray. If loading fewer than 10 sheets of paper, use the MP tray instead. (See *Loading paper in the multi-purpose tray (MP tray)* ➤➤ page 12.)
	If the problem occurs during duplex printing, the duplex tray rollers may be stained with ink. Tightly wring out a lint-free cloth soaked in lukewarm water, and then wipe the five rollers (1) on the bottom of the tray. 
Smudge or stain at the top center of the printed page.	Make sure the paper is not too thick or curled. (See *Acceptable paper and other print media* ➤➤ page 2.)

Print quality difficulties (continued)

Difficulties	Suggestions
Printing appears dirty or ink seems to run.	Make sure you are using the recommended types of paper. (See *Acceptable paper and other print media* ➤➤ page 2.) Don't handle the paper until the ink is dry.
	Make sure you are using Genuine Brother Ink.
Stains appear on the reverse side, at the bottom or at the top of the page.	Make sure you are using Genuine Brother Ink.
	Make sure the paper is not curled. If the paper is curled, you should straighten it.
	Make sure you are using the recommended types of paper. (See *Acceptable paper and other print media* ➤➤ page 2.)
	Decrease the print density from the machine's menu settings or **Density Adjustment** settings of the printer driver.
	Try using the **Slow Drying Paper** option in the printer driver.
During duplex printing, stains appear on the reverse side of the page.	When using paper that has a low ability to hold the ink, the ink will not dry easily and may stain the reverse side of the page. Try using the **Slow Drying Paper** option in the printer driver.
The printouts are wrinkled.	Make sure you are using Genuine Brother Ink.
	Make sure you are using the recommended types of paper. (See *Acceptable paper and other print media* ➤➤ page 2.)
	Check that the paper size setting in the machine's menu matches the size of paper in the tray. Check that the paper guides in the tray fit the paper size you are loading.

Paper handling difficulties

Difficulties	Suggestions
The machine does not feed paper.	If there is no paper; load a new stack of paper into the paper tray.
	If there is paper in the paper tray, make sure it is straight. If the paper is curled, you should straighten it. Sometimes it is helpful to remove the paper, turn the stack over and put it back into the paper tray.
	Reduce the amount of paper in the paper tray, and then try again.
	Make sure that the paper tray is completely inserted into the machine.
	Make sure that manual feed mode is not chosen in the printer driver.
	Clean the paper pick-up rollers. (See *Cleaning the paper pick-up rollers* ➤➤ page 104.)
The machine does not feed paper from the MP tray.	Make sure that **MP Tray** is chosen in the printer driver.
	Fan the paper well and put it back in the tray firmly.

Network difficulties

Difficulties	Suggestions
Cannot print over a wired Network.	If you are having Network problems ➤➤ Network User's Guide. Make sure your machine is powered on and is on-line and in Ready mode. Print the Network Configuration report to verify that your Network settings are correct. You can Print the Network Configuration report in the following menu selection: `Machine Info.`, `Print NetSetting` and then press **Go** or **OK**. Reconnect the LAN cable to the hub to verify that the cable and network connections are good. If possible, try connecting the machine to a different port on your hub using a different cable. You can check the current wired network status from the Network control panel menu. (See *Network Menu* ➤➤ page 84.)
The Brother software cannot be installed.	**(Windows®)** If the Security Software warning appears on the PC screen during the installation, change the Security Software settings to permit the Brother product setup program or other program to run. **(Macintosh)** If you are using a firewall function of anti-spyware or antivirus security software, temporarily disable it and then install the Brother software.
Cannot connect to wireless network.	Investigate the problem using the WLAN report. You can Print the WLAN report from the following menu selection: `Machine Info.`, `Print WLANReport` and then press **Go** or **OK**. For more details ➤➤ Quick Setup Guide
For other problems concerning using your machine on a Network ➤➤ Network User's Guide	

Other difficulties

Difficulties	Suggestions
The machine will not turn on.	Adverse conditions on the power connection (such as lightning or a power surge) may have triggered the machine's internal safety mechanisms. Turn the machine off and unplug the power cord. Then plug in the power cord. If you still cannot turn on the machine, plug the power cord directly into a different known working wall outlet (do not plug it into a surge suppressor or backup battery type of device). If this works, then the wall outlet, battery backup device, or surge suppressor device is the cause of the problem.
The machine cannot print EPS data that includes binary with the BR-Script3 printer driver.	**(Windows®)** You need the following settings to print EPS data: 1 For Windows® 7 and Windows Server® 2008 R2: Click the button and **Devices and Printers**. For Windows Vista® and Windows Server® 2008: Click the button, **Control Panel**, **Hardware and Sound**, and then **Printers**. For Windows® XP and Windows Server® 2003: Click the **Start** button, and select **Printers and Faxes**. 2 Right-click the **Brother HL-S7000DN BR-Script3** icon and select **Properties** [1]. Click **Brother HL-S7000DN BR-Script3** if necessary. 3 From the **Device Settings** tab, choose **TBCP** (Tagged binary communication protocol) in **Output Protocol**. **(Macintosh)** If your machine is connected to a computer with a USB interface, you cannot print EPS data that includes binary. You can print the EPS data if the machine is connected to a network. For installing the BR-Script3 printer driver through the network, visit the Brother Solutions Center at http://solutions.brother.com/.
The ink cartridge runs out soon after replacing it, and a message is displayed prompting you to replace the ink cartridge.	Make sure you are using Genuine Brother Ink.
Cannot open the machine's top cover.	The machine's top cover may be locked if you disconnect the power cord during printing. To unlock the cover, connect the power cord to the power outlet, and wait for the machine to enter standby mode.

[1] **Printer properties** for Windows® 7 and Windows Server® 2008 R2 users

Machine Information

Checking the Serial Number

You can see the machine's Serial Number on the LCD.

1. Press **Menu**.
2. Press ▲ or ▼ to choose `Machine Info`. Press **OK**.
3. Press ▲ or ▼ to choose `Serial No`. Press **OK**.
 The machine's Serial Number will be displayed.
4. Press **Cancel** to return to Ready mode.

Default settings

The machine has three levels of default settings; the default settings have been set at the factory before shipment. (See *Menu table* ➤➤ page 77.)

- Network
- Factory Reset
- Settings Reset

Note

- You cannot modify the preset default settings.
- Page counters can never be changed.

Network default settings

If you want to reset only the print server back to its default settings (by resetting all network information such as the password and IP address), follow these steps:

1. Press **Menu**.
2. Press ▲ or ▼ to choose `Reset Menu`. Press **OK**.
3. Press ▲ or ▼ to choose `Network`. Press **OK**.
4. Press **1** to choose `1.Reset`.
5. Press **1** for reboot. The machine will restart automatically.

Factory Reset

You can partially reset the machine back to its default printer settings. The settings that will not be reset are the `Interface`, `Local Language`, `Setting Lock`, Secure Function Lock 2.0 and the Network settings. This operation will not delete the print data in the memory:

1. Press **Menu**.
2. Press ▲ or ▼ to choose `Reset Menu`. Press **OK**.
3. Press ▲ or ▼ to choose `Factory Reset`. Press **OK**.
4. Press **1** to choose `1.Reset`.
5. Press **Cancel** to return to Ready mode.

Settings Reset

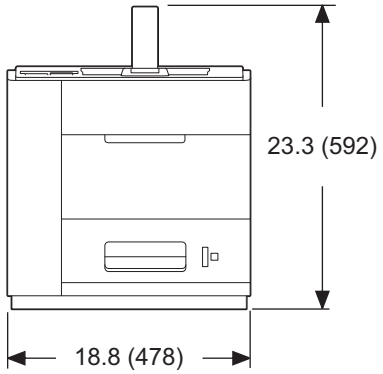
This operation will delete all of the storage data and reset all the machine settings back to the default printer settings:

1. Disconnect the network cable from the machine; otherwise the network settings (such as IP address) will not be reset.
2. Press **Menu**.
3. Press ▲ or ▼ to choose `Reset Menu`. Press **OK**.
4. Press ▲ and **Cancel** at the same time. Press **1** to choose `1.Reset` after `Settings Reset` appears.
5. Press **1** for reboot. The machine will restart automatically.

A Appendix

Machine specifications

General

Printer Type		Inkjet
Memory Capacity		512 MB
LCD (liquid crystal display)		16 characters × 5 line
Power Source		100 - 120 V AC 50/60 Hz 2.2 A
Power Consumption [1]	Printing	Approx. 130 W
	Ready	Approx. 30 W
	Sleep (WLAN:On)	Approx. 3 W
	Deep Sleep	Approx. 0.9 W
	Off	Approx. 0.5 W
Dimensions (Approx.)		 Unit: in. (mm)
Weights (with consumables)		Approx. 101.4 lb (46 kg)

[1] USB connections to PC

Noise Level	Sound Pressure	Printing	LPAm = 64 dB (A)
		Ready	LPAm = 40 dB (A)
	Sound Power [1]	Printing	LWAd = 7.43 B (A)
		Ready	LWAd = 5.16 B (A)
Temperature		Operating	64.4 °F to 91.4 °F (18 to 33 °C)
Humidity		Operating	20 to 80% (without condensation)

[1] Measured in accordance with the method described in RAL-UZ122.

Print media

Paper Input	Paper Tray (Standard)	Paper Type	Plain Paper, Thin Paper, Recycled Paper
		Paper Size	Letter, A4, B5 (JIS), A5, A5 (Long Edge), Executive, Legal, Folio
		Paper Weight	16 to 28 lb (60 to 105 g/m^2)
		Maximum Paper Capacity	Up to 500 sheets of 20 lb (80 g/m^2) Plain paper
	Multi-purpose tray (MP tray)	Paper Type	Plain Paper, Thin Paper, Thick Paper, Recycled Paper, Bond Paper
		Paper Size	Width: 3.0 to 8.5 in (76.2 to 216 mm) Length: 5.0 to 14 in (127.0 to 355.6 mm)
		Paper Weight	16 to 43 lb (60 to 163 g/m^2)
		Maximum Paper Capacity	Up to 100 sheets of 20 lb (80 g/m^2) Plain paper
	Paper Tray 2 / Tray 3 / Tray 4 (Optional)	Paper Type	Plain Paper, Thin Paper, Recycled Paper
		Paper Size	Letter, A4, B5 (JIS), A5, Executive, Legal, Folio
		Paper Weight	16 to 28 lb (60 to 105 g/m^2)
		Maximum Paper Capacity	Up to 500 sheets of 20 lb (80 g/m^2) Plain paper
Paper Output	Face-Down Output Tray		Up to 500 sheets of 20 lb (80 g/m^2) Plain paper (face-down delivery to the face-down output paper tray)
	Face-Up Output Tray		100 sheets (face-up delivery to the face-up output tray)
	Output Tray (Optional)		Up to 500 sheets of 20 lb (80 g/m^2) Plain paper
Duplex	Automatic Duplex Printing	Paper Type	Plain Paper, Thin Paper, Recycled Paper
		Paper Size	Letter, A4, Legal, Folio
		Paper Weight	16 to 28 lb (60 to 105 g/m^2)

Printer

Automatic 2–sided (Duplex) Print		Yes
Emulation		PCL6, BR-Script3 (PostScript® 3™), XPS
Resolution		600 × 600 dpi
Print Speed [1] [2]	Single-sided print	Up to 100 ppm (Letter or A4 size) [3]
	Duplex Print	Up to 50 sides per minute (25 sheets per minute) (Letter or A4 size) [3]
First Print Time [3]		Less than 8.5 sec

1 The print speed may change depending on the type of document you print.

2 Print speed may be slower when the machine is connected by wireless LAN.

3 From Ready mode using the standard input and output tray.

Interface

USB	Hi-Speed USB 2.0 [1] [2] Use a USB 2.0 cable (Type A/B) that is no more than 6 feet (2.0 meters) long.
Ethernet [3]	10BASE-T / 100BASE-TX / 1000BASE-T Use a straight-through Category 5e (or greater) Shielded Twisted-Pair (STP) cable. [4]
Wireless LAN [3]	IEEE 802.11 b/g/n (Infrastructure Mode) IEEE 802.11 b (Ad-hoc Mode)

1 Your machine has a Hi-Speed USB 2.0 interface. The machine can also be connected to a computer that has a USB 1.1 interface.

2 Third party USB ports are not supported.

3 For detailed network specifications, see *Network (LAN)* ➤➤ page 150 and ➤➤ Network User's Guide

4 When you connect the machine to a Gigabit Ethernet Network, use the network devices complying with 1000BASE-T.

Computer requirements

Computer Platform & Operating System Version		Processor Minimum Speed	Minimum RAM	Recommended RAM	Hard Disk Space to install	Supported PC Interface [1]
Windows® Operating System	Windows® XP Home Edition	Intel® Pentium® II or equivalent	128 MB	256 MB	80 MB	USB, 10Base-T/ 100Base-TX (Ethernet), 1000Base-T (Gigabit Ethernet), Wireless 802.11b/g/n
	Windows® XP Professional					
	Windows® XP Professional x64 Edition	64-bit (Intel® 64 or AMD64) supported CPU	256 MB	512 MB		
	Windows Vista®	Intel® Pentium® 4 or equivalent 64-bit (Intel® 64 or AMD64) supported CPU	512 MB	1 GB		
	Windows® 7	Intel® Pentium® 4 or equivalent 64-bit (Intel® 64 or AMD64) supported CPU	1 GB (32-bit) 2 GB (64-bit)	1 GB (32-bit) 2 GB (64-bit)		
	Windows Server® 2003	Intel® Pentium® III or equivalent	256 MB	512 MB		
	Windows Server® 2003 x64 Edition	64-bit (Intel® 64 or AMD64) supported CPU				
	Windows Server® 2008	Intel® Pentium® 4 or equivalent 64-bit (Intel® 64 or AMD64) supported CPU	512 MB	2 GB		
	Windows Server® 2008 R2	64-bit (Intel® 64 or AMD64) supported CPU				
Macintosh Operating System	Mac OS X v10.5.8	PowerPC® G4/G5 Intel® Processor	512 MB	1 GB	80 MB	
	Mac OS X v10.6.x	Intel® Processor	1 GB	2 GB		
	Mac OS X v10.7.x	Intel® Processor	2 GB	2 GB		

[1] Third party USB ports are not supported.

For the latest driver updates, visit us at http://solutions.brother.com/.

Important information for choosing your paper

The information in this section will help you choose paper to use with this machine.

Note

If you use paper that is not recommended, a paper jam or misfeed may occur in the machine.

Before you buy a large quantity of paper

Make sure that the paper is suitable for the machine.

Paper for plain paper copies

Paper is divided by usage, such as paper for printing and paper for copying. The usage is usually written on the paper's package. Check the package to see whether it is suitable for inkjet printers. Use paper that is suitable for inkjet printers.

Basis weight

The basis weight of the paper in general use varies in different countries. We recommend that you use paper that weighs 20 to 24 lb (75 to 90 g/m^2), although this machine is able to cope with thinner or thicker paper than these weights.

Long grain and short grain

The pulp fiber of the paper is aligned during paper manufacturing. And paper can be classified into two types, long grain and short grain.

Long grain paper fibers run in the same direction as the long edge of the paper. Short grain paper fibers run perpendicular to the long edge of the paper. Though most plain paper for copying is long grain, some is short grain. We recommend that you use long grain paper for this machine. Short grain paper is too weak for the paper transport of the machine.

Print surface

The characteristics of the face side and reverse side of a sheet of paper may vary a little.

Usually, the opening side of the paper ream package is the print side. Follow the instructions on the paper package. Typically, the print side is indicated by an arrow.

Consumable

Ink Cartridge	Inbox	Approx. 10,000 pages Letter or A4 page [1]	-
	Replacement	Approx. 30,000 pages Letter or A4 page [1]	HC-05BK

[1] Estimated Cartridge Yield is declared in accordance with ISO/IEC 24711 test in continuous printing methodology, using monochrome test page defined in ISO/IEC 19752.

Network (LAN)

LAN		You can connect your machine to a network for Network Printing. Also included is Brother BRAdmin Light [1] [2] Network Management software.
Security Protocols	Wired	APOP, POP before SMTP, SMTP-AUTH, SSL/TLS (IPPS, HTTPS, SMTP, POP), SNMP v3, 802.1x (EAP-MD5, EAP-FAST, PEAP, EAP-TLS, EAP-TTLS), Kerberos, IPSec
	Wireless	APOP, POP before SMTP, SMTP-AUTH, SSL/TLS (IPPS, HTTPS, SMTP, POP), SNMP v3, 802.1x (LEAP, EAP-FAST, PEAP, EAP-TLS, EAP-TTLS), Kerberos, IPSec
Wireless Network Security		WEP 64/128 bit, WPA-PSK (TKIP/AES), WPA2-PSK (AES), 802.1x (LEAP, EAP-FAST, PEAP, EAP-TLS, EAP-TTLS)
Wireless Network Setup Support Utility	**AOSS™**	Yes
	WPS	Yes

[1] (For Windows® users) Brother BRAdmin Light is available from the CD-ROM provided with the machine.
(For Macintosh users) Brother BRAdmin Light is available as a download from http://solutions.brother.com/.

[2] (For Windows® users) If you require more advanced printer management, use the latest Brother BRAdmin Professional utility version that is available as a download from http://solutions.brother.com/.

Brother numbers

Important

For technical and operational help, you must call the country where you bought the machine. Calls must be made ***from within*** that country.

Register your product

By registering your product with Brother International Corporation, you will be recorded as the original owner of the product.

Your registration with Brother:

- may serve as a confirmation of the purchase date of your product should you lose your receipt;
- may support an insurance claim by you in the event of product loss covered by insurance; and,
- will help us notify you of enhancements to your product and special offers.

Please complete the Brother Warranty Registration or, for your convenience and most efficient way to register your new product, register on-line at

http://www.brother.com/registration/

FAQs (frequently asked questions)

The Brother Solutions Center is our one-stop resource for all your machine needs. You can download the latest software and utilities and read FAQs and troubleshooting tips to learn how to get the most from your Brother product.

http://solutions.brother.com/

You can check here for Brother driver updates.

Customer Service

In USA: 1-877-BROTHER (1-877-276-8437)

In Canada: 1-877-BROTHER

If you have comments or suggestions, please write us at:

In USA: Printer Customer Support
Brother International Corporation
7905 North Brother Boulevard
Bartlett, TN 38133

In Canada: Brother International Corporation (Canada), Ltd.
- Marketing Dept.
1, rue Hotel de Ville Dollard-des-Ormeaux, PQ, Canada H9B 3H6

Service center locator (USA only)

For the location of a Brother authorized service center, call 1-877-BROTHER (1-877-276-8437), or visit us on-line at http://www.brother-usa.com/service/.

Service center locations (Canada only)

For the location of a Brother authorized service center, call 1-877-BROTHER

Internet addresses

Brother Global Web Site: http://www.brother.com/

For Frequently Asked Questions (FAQs), Product Support and Technical Questions, and Driver Updates and Utilities: http://solutions.brother.com/

Ordering supplies

For best quality results use only genuine Brother supplies, which are available from your local Brother reseller.

Description	Item
Ink Cartridge	HC-05BK (Approx. 30,000 pages) [1] [2]

[1] Letter or A4 size single-sided pages.

[2] Estimated Cartridge Yield is declared in accordance with ISO/IEC 24711 test in continuous printing methodology, using monochrome test page defined in ISO/IEC 19752.

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